Lancaster Farming

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F&H Foundation elects directors

New Directors for the Lancaster County Farm and Home Foundation were elected for three-year terms, Thursday night, during their 19th annual meeting at the Farm and Home Center. Elected, from left, were Henry Reist, Mount Joy; Mary Martin, R2 New Holland, re-elected; Clarence Keener, R1 Manheim, re-elected; Elam Bollinger, R7 Manheim, re-elected; J. Clayton Charles, R2 Lancaster; Roy Brubaker, Lititz, re-elected; Raymond F. Witmer, Willow Street.

PMMB explains new accounting

BY SALLY BAIR
Staff Correspondent

HARRISBURG — A hearing scheduled by the Milk Marketing Board last Friday to explain new accounting procedures to reflect unit costs of production and to allow comments on the proposed changes met with many questions from dealers, but little opposition to its implementation.

The only witness to present formal testimony was James Wagner, vice president of finances for the Johnstown Sanitary Dairy. Speaking as a member of a special committee of the Pennsylvania Milk Dealers Association which studied the proposals, Wagner said, "We congratulate the Milk Marketing Board and its staff" for its attempt to update the existing accounting procedures. The committee recognized that they are not perfect but it is believed that the amendments, as published, are a step in the right direction.

Earl B. Fink, Jr., executive director of the Milk Marketing Board, expressed surprise at the bigger-than-expected turnout for the hearing, but noted, "The milk dealers were very receptive to the proposed system. Other comments were favorable."

The system is being changed in compliance with a directive by Commonwealth Court Judge Craig who reversed a price increase ordered by PMMB. At that time Judge Craig called unit cost an essential part in determining price.

The major portion of last week's hearing was devoted to a presentation by the accounting firm of Main Hurdman, who explained the proposed system of gaining unit cost of each kind of product.

Roy Byers, Main Hurdman representative, explained that the system is based on the development of unit costs based on the size of the container, the type of product and the area in which it is marketed.

Components of unit costs, ac-

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Moore predicts "feast" for beef farmers

BY SHEILA MILLER

LANCASTER — Cheap grain and a diminished inventory of cattle are two reasons cited by Penn State Extension Economist Lou Moore for a brighter outlook for Pennsylvania's cattle feeders in 1983. Moore's promising predictions were heard here at the Farm and Home Center Tuesday, as roughly 200 beef feeders from Lancaster and surrounding counties listened intently to any glimmer of profit-making forecasts.

Although the latest U.S. Department of Agriculture statistics were only announced late this week, the ag economist based his theories on USDA's July 1, 1982 inventory of cattle which showed beef cow numbers down 4 percent, replacement heifers down 2 percent, and last spring's calf crop reduced by 3 percent. All pointing to less available cattle for the market.

Moore pointed out that the USDA figures for cattle on feed were somewhat misleading, showing a constant increase over the past five months. However he noted that these figures correlated to the fact that younger cattle were being run into feedlots due to the availability of cheap grain and a poor winter wheat stand in many areas of the Midwest. Otherwise, he said, these animals would have stayed out on pasture, as grassfed beef.

Any hints of a profitable year came as good news to the local cattle feeders who have realized incomes in the red, for the most part, over the past several years. Only four months of 1982 gave cattle feeders "plus-side" compensation for their hard work, Moore noted.

Reviewing per capita consumption and red meat availability, he pointed out that the amount of beef Americans eat each year has remained about the same during the past two years, whereas the amount of pork and poultry has increased in most diets due to price differences and the

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Banker assures "affordable" interest

LANCASTER — Hamilton Bank's Darvin Boyd shared "good news" with local beef farmers here at the Farm and Home Center, Tuesday. Looking at the money situation, the Lancaster banker predicted that the prime lending rate could drop to 10 percent by "late winter, early spring" this year, and should only climb back up to 11.5 percent by the end of 1983.

This relatively low interest rate (compared to last year's rates which neared the 20 pecent mark) will be based on supply and demand, he explained.

While interest rates of 10 percent might seem like "cheap" money for farmers to cash in on, Boyd warned that this money is actually "expensive relative to the inflation rate." He noted that while inflation has dropped to 3.9 percent, interest rates will remain at least 4-6 points above the rate of inflation.

Looking back over the past three years, Boyd explained how interest rates in the United States were directly affected by the country's monetary and fiscal policies. He credited the Federal Reserve Board for "getting inflation under control."

"Now we must stimulate the economy and get production going again, while constantly monitoring inflation," Boyd said. Positive signs of economic recovery, he added, are at least 4-6 months away, since unemployment continues high, industrial production remains low, and large corporation bankruptcies are at their highest levels since the Great Depression. The nation's rate of recovery will hinge on the federal government's efforts to control spending and taxation, he said.

Boyd told farmers that the U.S. is now in its eighteenth month of recession — previously, the longest recession on record since World

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Joining in a discussion on starting beef cattle on feed during Tuesday's Lancaster Co. Cattle Feeders' Day were: from left, cattle feeder Ken Rohrer; cattle jockey Jimmy Hoar with Kreider Cattle Co.; cattle feeder Earl G. Martin; and veterinarian Dr. George Zimmerman.

Livestock market and auction news

Lancaster Market

Monday, Jan. 24
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	858	139	998	144
Last Monday	839	82	911	220
Last Year	1058	117	1149	194
Monday's Auction	915	116	1041	143
Last Monday's Auction	771	86	903	296

CATTLE: Compared to last Wednesday slaughter steers mostly steady; slaughter heifers 1.00-1.50 higher; cows 1.00-1.50 higher; bullocks steady to 1.00 lower; bulls 1.00-2.00 lower. Supply included 62% slaughter steers, 13% heifers, 15% cows and 10% bulls.

SLAUGHTER STEERS: High Choice and Prime 3-4 1250-1475 lbs. 62.00-63.00, one lot 1360 lb. 64.00; Good and Choice 1-2 1200-1475 lbs. 62.00-63.85, couple 64.25-65.00; Choice 2-4 1100-1425 lbs. 59.85-62.50, few to 62.75, few head 1500-1760 lbs. 58.00-61.50; few Good and low Choice 2-3 1025-1300 lbs. 57.75-60.25; good 2-3 55.00-57.50; few Choice 1100-1435 lbs. Holsteins 53.00-56.50, Good 50.00-53.00; Standard 1-2 45.50-50.00.

SLAUGHTER HEIFERS: Choice 2-3 900-1220 lbs. 58.50-62.00, few Choice 2 62.00-62.50; Good 2-3 850-1050 lb. 54.75-58.00.

COWS: Utility and Commercial 1-2 43.00-45.00, several 45.00-47.00; Cutter 1-2 40.50-43.00; Canner and low Cutter 38.00-41.00.

BULLOCKS: Choice 1000-1475 lbs. 55.75-59.50, couple 61.00-61.50; Good 1000-1200 lbs. 52.00-56.00.

BULLS: Yield grade 1 1300-2000 lbs. 50.75-55.00, few 55.50-59.25, couple 60.00-61.25; yield grade 2 1000-1450 lbs. 46.75-50.50, couple 1990-2040 lbs. 48.75-49.85.

VEAL CALVES: Vealers firm to 5.00 higher. Demand good for Holstein bulls to return to farm.

VEALERS: One lot Prime special fed 315 lb. 128.00; choice 160-275 lbs. 100.00-112.00, couple 112.00-120.00; high Good and low Choice 160-250 lbs. 80.00-100.00, 115-160 lbs. 60.00-80.00, 80-115 lbs. 52.00-58.00, few 60-75 lbs. 48.00-52.00.

RETURNED TO FARM: Bulk 95-120 lb. Holstein bulls 70.00-85.00.

SHEEP: Wooled lambs 1.00-3.00 higher; slaughter ewes fully steady. Supply included around 35 goats.

WOOLED LAMBS: Choice and Prime 85-100 lb. 65.00-69.00; Choice 70-105 lb. 60.00-65.00, few 120-150 lbs. 55.00-58.00.

SLAUGHTER EWES: Utility and Good 25.00-32.00.

GOATS: All goats sold by the head, mainly 32.00-45.00, couple 55.00.

Vintage Livestock

Tuesday, Jan. 25
Report supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	930	786	5	2
Last Tuesday	826	645	5	0
Last Year	1090	703	3	

CATTLE: Compared to last Tuesday slaughter steers mostly steady; slaughter heifers not fully comparable; cows uneven, early sales Utility firm to 1.00 higher, Canner and Cutter weak to 1.00 lower, later trading Utility 1.00-1.50 higher, Canner and Cutter fully steady; bulls not fully tested. Supply included 54 percent slaughter steers, 7 percent slaughter heifers, 37 percent cows and 2 percent bulls.

SLAUGHTER STEERS: High Choice and Prime 3-4 1225-1450 lb. 62.00-64.25, few head 64.50-66.00; high Choice and Prime mostly 4 1500-1745 lb. 59.60-62.10; Good and Choice 1-2 1150-1425 lbs. 62.75-64.00, couple 65.00-65.75; Choice 2-4 1100-1450 lbs. 59.50-62.80, few 62.50-63.25; high good and low Choice 2-3 1050-1350 lbs. 56.75-60.00; Good 2-3 55.50-58.50; few Good 1150-1325 lbs. Holsteins 50.50-52.00.

SLAUGHTER HEIFERS: Good 2-3 825-1025 lbs. 50.00-54.00, couple Choice 54.00-54.75.

COWS: Utility and Commercial 1-3 40.50-44.75, few 45.00-46.75; Cutter 1-2 38.00-43.00, late 39.50-43.00, few 43.00-45.00; Canner and low Cutter 36.00-38.75, few late 38.75-39.50.

BULLOCKS: Few Good 975-1200 lbs. 53.00-54.75, couple Choice 58.00-58.50.

VEAL CALVES: Vealers 3.00-5.00 higher. Supply included 591 in graded sale of which 70 percent sold to return to farm.

VEALERS: Choice 160-315 lb. 99.00-108.00, couple 111.00-113.00; high Good and low Choice 150-250 lb. 85.00-100.00, 120-150 lbs. 72.00-90.00, 80-115 lb. 59.00-71.00, 60-80 lbs. 49.00-59.00.

RETURNED TO FARM: 12 head 115 lb. Holstein heifers 89.00; 31 head 100-105 lb. 77.00-81.00; and one lot 90-95 lb. 61.00. 25 head 120-125 lb. Holstein bulls 86.00-90.00; 160 head 100-115 lb. 90.00-100.00; 45 head 90-95 lb. 85.00-91.00; 15 head small frame 100-115 lb. 80.00 and 100 head 90-105 lb. 62.00-65.00.

SHEEP: Insufficient volume for a market test; few Utility slaughter ewes 14.00-19.00.

GOATS: No market test.

Lancaster Auction

Wednesday, Jan. 26
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	220	15	503	0
Last Wednesday	182	22	646	45
Last Year	334	33	714	1
Wednesday's Auction	204	15	519	16
Last Wednesday's Auction	158	10	671	0

CATTLE: Compared to Monday small supply all classes mostly steady. Supply included 60 percent slaughter steers.

SLAUGHTER STEERS: Few head high Choice and Prime 3-4 1175-1375 lbs. 62.75-63.60; Choice 2-4 1075-1400 lbs. 59.75-62.60; high Good and low Choice 2-3 1025-1310 lbs. 58.00-60.00, few head 60.50-62.00; Good 2-3 54.00-55.50; Standard and Good 900-1150 lb. Holsteins 48.75-52.00.

SLAUGHTER HEIFERS: Few Choice 2-3 975-1200 lbs. 58.50-62.60; Good 2-3 730-1025 lb. 51.50-55.50.

COWS: Utility and Commercial 1-3 41.25-43.50, couple 44.00-45.75; Cutter 1-2 39.75-43.00, couple 44.00-44.75; Canner and low Cutter 36.00-40.00.

BULLS: Yield grade 1 1050-1720 lb. 50.75-53.50; couple yield grade 2 1000-1300 lb. 49.00-51.00.

VEAL CALVES: Insufficient volume for a market test. Few 85-115 lb. high Good and low Choice vealers 49.00-62.00. Couple 95-115 lb. Holstein bulls returned to farm at 70.00-75.00.

SHEEP: One lot Utility and Good slaughter ewes 25.50.

New Holland Auction

Thursday, Jan. 27
Report supplied by USDA

CATTLE: 1031. Compared to last Thursday slaughter steers uneven, Choice and Prime steady to .50 lower, instances 1.00 lower on Choice; Good to low Choice mostly steady; slaughter heifers fully steady; cows .50-1.00 lower, extremes 2.00 lower; bullocks mostly steady; bulls steady on small supply. Supply included 53 percent slaughter steers, 5 percent slaughter heifers, 37 percent cows and 5 percent bulls.

SLAUGHTER STEERS: High Choice and Prime 3-4 1175-1525 lbs. 62.35-64.00, couple 64.35-64.75, few 1550-1650 lbs. 59.35-61.00; Good and Choice 1-2 62.75-64.00, few 65.50-62.25 Choice 2-4 1050-1475 lbs. 60.50-63.00, few 63.00-63.75; high Good and low Choice 2-3 58.00-60.50; Good 2-3 55.00-58.50; Good and Choice 1140-1525 lbs. Holsteins 53.25-57.50; few Standard 1-2 48.50-52.50.

SLAUGHTER HEIFERS: Choice 2-3 925-1150 lbs. 57.60-60.60; Good 2-3 825-1025 lbs. 51.75-57.25.

COWS: Utility and Commercial 1-3 40.50-44.00, few 44.00-46.00; Commercial 3-4 38.50-40.50; Cutter 1-2 38.00-42.00, few 42.25-43.25; Canner and low Cutter 36.00-39.00.

BULLOCKS: Few head Choice 1125-1275 lbs. 62.00-64.00, couple 58.50-60.00; Good 1000-1275 lbs. 53.00-55.75.

BULLS: Yield grade 1 1350-1800 lbs. 51.75-53.00, couple 55.25-56.50; yield grade 2 1000-1350 lbs. 49.50-52.00.

VEAL CALVES: 483. Vealers 2.00-5.00 higher. Demand good for Holstein bulls to return to farm.

VEALERS: Couple Prime 175-250 lbs. 118.00-123.00; Choice 160-280 lbs. 99.00-110.00, few 110.00-118.00; high Good and low Choice 140-250 lbs. 85.00-100.00, 120-140 lbs. 65.00-90.00, 80-115 lbs. 54.00-64.00, few 65-80 lbs. 50.00-55.00.

SLAUGHTER CALVES: Few Good and Choice 260-425 lbs. 54.00-70.00.

RETURNED TO FARM: Bulk 90-115 lb. Holstein bulls 74.00-88.00, few 88.00-91.00; several 85-95 lbs. 62.00-80.00.

SHEEP: 11. Insufficient volume for a market test, few Choice 75-115 lb. wooled lambs 60.00-67.00.

GOATS: 16. All goats sold by the head, mainly 28.00-39.00, couple 45.00-48.00.

Lancaster Co. Weekly

Friday, Jan. 28

	Cattle	Calves
This Week	3400	1425
Last Week	2912	1208
Last Year	3740	1380

CATTLE: Slaughter steers steady to .50 lower, instances 1.00 lower on Choice; Slaughter heifers firm to mostly 1.00 higher; cows closed the week .50-1.00 lower, extremes 2.00 lower; Bullocks steady to 1.00 lower; bulls 1.00-2.00 lower. Supply included 51 per cent slaughter steers, 8 per cent slaughter heifers, 27 per cent cows, 5 per cent bulls with the balance feeders.

SLAUGHTER STEERS: High Choice and Prime 3-4 1175-1525 lbs. 62.00-64.25, few head 64.35-66.00, few mostly Grade 4 1500-1745 lbs. 59.35-61.75; Good and Choice 1-2 1150-1475 lbs. 62.00-64.00, couple 64.75-66.25; Choice 2-4 1050-1450 lbs. 59.50-63.00, few 63.00-63.75; high Good and low Choice 2-3 1050-1350 lbs. 57.50-60.50, Good 2-3 55.00-58.50; Good and Choice 1140-1525 lbs. Holsteins 53.00-57.50, few Good 50.00-53.00, Standard 1-2 45.50-51.50.

SLAUGHTER HEIFERS:

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HAY, STRAW & CORN
— SALE —
Every Friday at 12 Noon
GREEN DRAGON MARKET & AUCTION
RD No. 4 Ephrata, Pa. 717-733-2334
1 mile North of Ephrata on N. State St.
Out of State Buyers - Cash or Certified Check Only.

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PHONE: JONESTOWN 865-2881
Sale every Tuesday at 1:30 P.M. starting with feeder cattle and pigs.
Also Hay Sale every Tuesday at 12:30.

Open 24 hours a day
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AUCTIONS
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10:00 A.M. — Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. — Veal Calves, Lambs, Hogs
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10:00 A.M. — Slaughter Hogs
1:00 P.M. — Feeder Pigs
FRIDAY
11:00 A.M. — Stocker and Feeder Cattle
SATURDAY
9:30 A.M. — Slaughter Hogs
GRADED FEEDER CATTLE SALE
FRIDAY, FEBRUARY 4
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1147 Lititz Pike
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Serving The Community For 86 Years

VINTAGE SALES STABLES, INC.
Sale Every Tuesday
11 A.M.
Slaughter Cattle Auction - Steers, Bulls, Heifers, Cows, Feeder Cattle.
Get calves in early. We start to grade and weigh at 2:00.
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The Action Auction makes the difference in marketing livestock!
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MONDAY'S AUCTION
8:00 A.M. - Fat Hogs
10:00 A.M. - Horse Sale
11:00 A.M. - Hay, Straw & Ear Corn
1:30 P.M. - Fat Steers, Bulls, Cows & Veal
WEDNESDAY'S AUCTION
12:00 Noon - Dairy sale
1:30 P.M. - Feeder Pig Sale
THURSDAY'S AUCTION
11:00 A.M. - Beef Sale
Order of Sale, Bulls, Fat Steers, Cows, Veal
3:30 P.M. - Calf Sale
NEW HOLLAND SALES STABLES INC.
New Holland, PA
Abram W. Diffenbach, Manager
Phone 717-354-4341

Hog Markets

Lancaster Hogs
Monday, Jan. 24
Report supplied by USDA

HOGS: Barrows and gilts 1.00-1.50 higher.

BARROWS AND GILTS: US 1-2 205-255 lb. 60.00-60.75, few 61.00-61.25. US 1 210-255 lb. 61.50-62.50. US 1-2 195-205 lb. 58.00-60.00; US 1-3 210-265 lb. 59.50-60.00.

Tuesday, Jan. 25

Today	353
Last Tuesday	275
Last Year	211

TREND: Compared to Monday barrows and gilts 1.50 lower.

BARROWS AND GILTS: US 1-2 205-255 lb. 58.50-59.00, Few 59.00-59.50. US 1 205-245 lb. 60.00-60.50. US 1-3 210-265 lb. 57.60-58.50.

Wednesday, Jan. 26

HOGS: Compared to Tuesday barrows and gilts 1.00-1.50 higher.

BARROWS AND GILTS: US 1-2 205-250 lb. 59.75-60.50, few 60.50-61.00. US 1 205-250 lb. 61.00-62.00. US 1-3 210-270 lb. 58.00-59.50.

Lancaster Feeder Pigs
Tuesday, Jan. 25
Report supplied by USDA

Today	835
Last Tuesday	693
Last Year	781

TREND: Compared to last Tuesday feeder pigs 5.00-10.00 lower. All pigs weighed on arrival and sold by the hundred weight.

US 1-2 86 head 20-39 lbs. 115.00-125.00; 271 head 40-49 lbs. 115.00-129.00; 111 head 50-59 lbs. 109.00-120.00; 91 head 51-52 lbs. 125.00-130.00; 49 head 50-59 lbs. 92.00-101.00; 50 head 60-65 lbs. 90.00-105.00.

US 2-3 19 head 32-43 lbs. 111.00-121.00.

New Holland Hogs
Monday, Jan. 24
Report supplied by USDA

Today	1172
Last Monday	1617
Last Year	1460

TREND: Compared to last Monday barrows and gilts 2.00-2.50 higher.

BARROWS AND GILTS: US 1-2 205-245 lb. 60.50-61.50. US 1 205-250 lb. 61.75-63.50, mainly 62.50-63.50. US 1-3 200-265 lb. 60.00-60.50.

New Holland Feeder Pigs
Wednesday, Jan. 26
Report supplied by USDA

Today	657
Last Wednesday	751
Last Year	817

TREND: Compared to last Wednesday feeder pigs firm to 5.00 higher, instances 10.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2 15 head 23 lbs. 146.00; 40 head 30-39 lbs. 124.00-138.00; 94 head 40-49 lbs. 110.00-125.00; 90 head 50-59 lbs. 107.00-118.00; 49 head 60-67 lbs. 93.00-101.00; 47 head 70-86 lbs. 92.00-96.00.

US 2-3 37 head 33-35 lbs. 114.00-116.00; 69 head 40-49 lbs. 89.00-102.00; 15 head 54-58 lbs. 84.00-88.00; 23 head 71-94 lbs. 71.00-72.00.

Vintage Hogs
Vintage Sales Stables
Saturday, Jan. 22
Report supplied by auction

U.S. 1 & 2 205-235 lbs. 60.50-63.50; U.S. 2 & 3 200-245 lbs. 59.00-60.50; Sows 300-500 lbs. 47.00-51.00; Boars 300-500 lbs. 43.00.

Wednesday, Jan. 26

U.S. 1 & 2 205-235 lbs. 59.60-60.00; U.S. 2 & 3 200-245 lbs. 58.00-59.00; Sows 300-500 lbs, 48.00-49.00; Boars, 300-500 lbs. 43.50-50.50.

Lancaster Hogs
Lancaster Stockyards
Saturday, Jan. 22
Report supplied by auction

1040 head.

US 1 210-240 lbs. 61.75-62.75; few 63.00-63.25. US 1 & 2 215-245 lbs. 60.60-61.50; US 2 & 3 200-250 lbs. 59.85-60.50. Heavyweights 255-270 lbs. 57.50-59.50 some to 61.10. Sows 350 lbs. and up 47.00-50.25; Boars 200-300 lbs. 53.50-54.50. 300 lbs. and up 43.00-43.50.

Peoria Hogs
Thursday, Jan. 27
Report supplied by USDA

3000 - Barrows & gilts moderate, opening steady-.50 instances 1.00 lower. US 1-2 200-250 lb. 58.50-59.00; US 1-3 200-250 lb. 57.50-58.50.

SOWS: .50-1.00 lower. (13%) US 1-3 350-450 lb. 49.50-50.00, few 51.00; 450-500 lb. 51.50-52.50; 500-650 lb. 52.50-53.00.

St. Louis Hogs
Thursday, Jan. 27
Report supplied by USDA

3500 - Barrows & gilts moderate, mostly 1.00 lower than early Wednesday or steady-.25 lower than the close. US 1-2 200-250 lb. 58.25-58.75; US 1-3 230-250 lb. 57.50-58.25, 250-270 lb. 56.50-57.50.

SOWS: Weights under 500 lb. steady-.50 lower, over 500 lb. steady-.50 higher. US 1-3 300-500 lb. 49.00 to mostly 49.50 (about 10%), 500-650 lb. 52.50-55.00.

BOARS: Over 260 lb. 45.00; 200-260 lb. 52.50.

Indianapolis Hogs
Thursday, Jan. 27
Report supplied by USDA

1000 - Barrows & gilts moderately active, fully 50 lower, instances .75-1.00 off. US 1-2 220-250 lb. 58.50-59.00; US 1-3 few 230-255 lb. 58.00-58.50.

SOWS: Active, steady to firm, instances .50 higher. (5%) US 1-3 package near 400 lb. 50.00; 480-700 lb. 52.00-54.00, pkg 55.00.

BOARS: Few under 250 lb. 50.00; over 350 lb. 43.00.

Four States Livestock
Hagerstown, Md.
Wednesday, Jan. 19
Report supplied by auction

SLAUGHTER: Fed Steers- .50 Higher. Choice 58.00-60.50; Good 54.00-57.00; Medium 53.00 down. Heifers- Choice 53.00-54.75; Good 48.00-52.00; Medium 47.00 Down. Cows- Large Run $1.00. higher; High Yield 42.00-44.25; Average 38.50-41.50; Big Middle 36.00-38.00; Fatty Herf. 35.00-37.00; Shelly 38.00 down. Fat Bulls- Steady to $1.00 Lower. Good 49.00-50.50; Medium 46.00-48.00. Veal Calves- $3.00 to $6.00 Higher. Calves returning to farms $10.00 Higher. Choice 95.00-105.00; Good 80.00-94.00; Medium 70.00-79.00; Farm Hfrs. to 86.00; Farm Bulls to 82.00-103.00; Light & Weak 43.00 Down. Lambs- $3.00 Higher. Choice 55.00-57.00; Good 52.00-54.00; Medium 51.00 down.

STOCKER: Steers 300-550 lbs. Very active $5.00 higher. Choice 63.00-70.00; Good 56.00-62.00; Medium 50.00-55.00; Culls 49.00 Down. Steers 600-850 lbs. Choice 60.00-63.00; Good 55.00-59.00; Medium 54.00 Down. Heifers (All weights) Choice 52.00-57.00; Good 46.00-51.00; Medium 45.00 down. Bulls- Choice 48.00-53.00; Medium 47.00 Down. Dairy Cows to 500.00. Springing Heifers to 870.00. Pigs, hd.- 20-30 lbs. 33.00-41.00; 40-60 lbs. 42.00-50.00. Shoats by lb. to 61.00. Slaughter Hogs- $1.00 higher 2 Hogs 282. 210-230 lbs. 55.25-56.50; 240-260 lbs. 55.75-56.85; 190-205 lbs. 53.00-55.00. Sows- 400-800 lbs. 48.00-55.50.

New Holland Dairy
New Holland Sales Stables
Wednesday, Jan. 26
Report supplied by auction

Reported receipts of 92 cows, 59 heifers and 6 bulls. Market stronger.

Load of Pa. springers 610.00-990.00; Load of Franklin Co. fresh cows, 725.00-1175.00, Load of Luzerne Co. fresh cows, 825.00-975.00; Load of Pa. fresh cows, 875.00-1175.00; Load of Pa. fresh cows, 720.00-1650.00; Load of Pa. fresh cows, 600.00-1200.00; Load of Pa. fresh cows, 1190.00-1225.00.

Locally consigned cows 425.00-1170.00.

Springing heifers 550.00-1130.00.

Open heifers 245.00-465.00.

Bulls 240.00-800.00.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter — Thursday, Jan. 27
Report supplied by USDA **Estimated Daily Livestock Slaughter Under Federal Inspection**

CATTLE	CALVES	HOGS	SHEEP
Week to Date (Est.)			
525,000	43,000	1,185,000	95,000
Same Period Last Week (Est.)			
523,000	41,000	1,233,000	95,000
Same Period Last Year (Act.)			
503,000	44,000	1,304,000	97,000

Market courtesy of USDA.

Chicago Grain Futures
(Closing Bids as of Thursday, Jan. 27)

	Corn	Wheat	Soybeans	Soybean Meal
Mar.	2.66½	3.34¾	5.97	179.00
May	2.75¾	3.44½	6.11¼	182.10
July	2.83¾	3.53½	6.23¼	185.30

Trend - Corn is higher, Wheat is higher, Soybeans are higher, Soybean Meal is lower.

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Futures Trading
(Closing Bids as of Thursday, Jan. 27)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes
Feb.	60.20	58.17	
Apr.	61.50	54.62	6.46
June	63.47	56.40	

Trend - Cattle are higher, Hogs are higher. Potatoes are higher.

Market Provided
by Commodity Department
Dean Witter Reynolds, Inc.

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If you miss Monday, there is always Wednesday

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Either Monday or Wednesday, we will advise you to the best of our ability what day that week we think is most advantageous to you.

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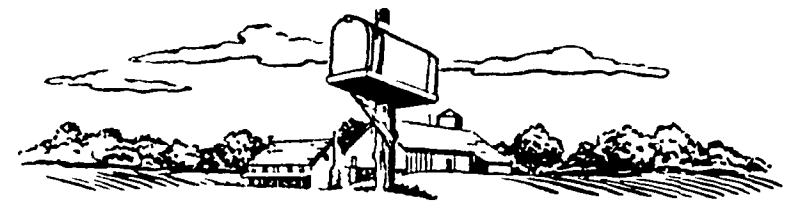
Keeping Abreast With The Times



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Poultry Markets

N. E. Weekly Shell Egg Report

Tuesday, Jan. 25
Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.X	85-87	82-84	70-72	52-54
Mostly	85	82	70	52
N. HAMP.	76-80	73-77	61-65	45-49
Mostly	78-79	75-76	63-64	47-48
R.I.	78-83	75-80	63-68	47-54
Mostly	78-79	75-76	63-64	47-52
VERMONT	89-98	85-95	73-79	–
Mostly	98	95	77	–
MAINE	83-85	80-82	68-70	52-54

X Includes Central and Western Sections only.

Weekly New York Egg Market

From Friday, Jan. 21 to Jan. 28

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	74	74	74	74	74
Ex Large	69	69	69	69	69
Large	65	65	65	65	65
Mediums	60	60	60	60	60
Pullets	51	51	51	51	51
BROWN					
Jumbo	–	–	–	–	–
Ex Large	84	84	84	84	84
Large	79	79	79	79	79
Mediums	60	60	60	60	60
Pullets					
Peewees	Unquoted				
Off Grade					
Large	58	58	58	58	58
Checks	29	30	30	30	31

Breaking Stock: Friday, 11.10-12.00; Monday through Thursday 11.40-12.00.

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	Net Weight Per Case	Jan. 25 Tuesday	Jan. 27 Thursday
Class 1 - Large	48 lbs.	47½	46½
Class 2 - Large	45 lbs.	45	45
Class 3 - Medium	42 lbs.	42	42
Class 4 - Small	39 lbs.	38	38
Breaking Stock	48 lbs.	38	38
Checks	48 lbs.	33½	33½

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Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, Jan. 25
Report supplied by auction

MUSCOVY DUCKS, DRAKES: range .82-1.02 per lb.

MUSCOVY DUCKS, HENS: range .62-.80 per lb.

PEKIN DUCKS: range .60-.82 per lb.

PULLETS: 6-8 lbs. range .40-.54 per lb.

RED FOWL: 4-5 lbs. range .15-.22 per lb.

RED FOWL: 5-6 lbs. range .20-.28 per lb.

CROSSBRED FOWL: 5-9 lbs. range .20-.36 per lb.

CROSSBRED ROOSTERS: 4-6 lbs. range .40-.62 per lb.

CROSSBRED ROOSTERS: 7-12 lbs. range .30-.52 per lb.

GUINEA FOWL: range 1.05-1.15 per lb.

BANTY ROOSTERS: range 1.00-2.75 ea.

BANTY HENS: range .50-1.00 ea.

GEESE: 9-11 lbs. range .30-.38 per lb.

TURKEYS: 17-33 lb. range .22-.30 per lb.

PIGEONS: range 1.00-1.50 ea.

WHITE PIGEONS: range 1.25-2.10 ea.

LEGHORN HENS: range .06-.12 per lb.

CAPONS: 11-13 lbs. range .40-.54 per lb.

RABBITS: 4-6 lbs. range .62-1.04 per lb.

RABBITS: 7-11 lbs. range .60-.88 per lb.

GUINEA PIGS: range .25-1.50 ea.

GOATS: range 24.00-62.00 ea.

TOTAL AMOUNT COOPS: 742.

Philadelphia Eggs

Thursday, Jan. 27
Report supplied by USDA

MARKET COMMENT: Prices higher. Carton egg movement mixed; some dealers report slowing, while others report demand is good. Features are main stimulus and some doubt expressed about next week after features end. Jumbos tight; extra large good balance but fully adequate; large fully adequate to ample; lightweights class I and II difficult to clear; mediums irregular. Undertone steady but nervous.

Prices to retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large 63-69; A Large 61-64; A Medium 54-57.

Eastern Pa. & N.J. Poultry

Wednesday, Jan. 26
Report supplied by USDA

MARKET COMMENT: Prices unchanged to higher. Offerings spotty and some reports list movement to Canada restricting availability to local plants. Undertone unsettled.

Light Type Hens: 7-9, mostly 8-9 prices paid at farm.

F.O.B. plant: 10-11.

New York Multiple Drop Broiler Report

Thursday, Jan. 27
Report supplied by USDA

Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: U.S. Grade A 44-48; 1,330 boxes; Branded U.S. Grade A 48; 10,755 boxes.

WTD. AVG.: U.S. Grade A 46.64; Branded 48.00.

Delmarva Poultry

Thursday, Jan. 19
Report supplied by USDA

MARKET COMMENT: RTC movement in whole birds fairly good. Supply decreased due to lighter weight which more than compensated for drop off in business. Breasts well cleared; legs and wings increased and fully sufficient. Moderate slaughter schedule; live supplies fully adequate. Undertone steady but cautious.

Today's L.T.L. asking prices irregular on U.S. Grade A at 45-49 cents.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 1/27 1,772; Actual 1/20 1,805; Actual 1/25 1,821; Average Weights 1/25 4.13; 1/18 4.25.

Valley Livestock

Valley Stockyards
Athens, Pa.
Monday, Jan. 24
Report supplied by auction

Holstein Hfr. Calves to 90.00; Veal Calves to 83.00; Vealer Bull Calves 65.00-94.00; Slaughter Calves 50.00-64.50; Grassers & Feeders 41.00-60.50; Lambs, 50.00-64.50; Sheep 21.00-35.00; Hogs, 200-250 lbs. 55.00-61.50; Sows 48.00-54.00; Boars 42.00-51.00; Pigs 22.00-45.00; Heifers 41.00-45.00; Steers no good steers; Steers, feeder 41.00-53.00; Bulls 46.00-51.25; Cows, utility 42.00-45.00; Cows, fat 39.00-44.00; Cows, medium 36.00-38.50; Cows, poor or small 28.00-34.00; Cattle market real active; Calf market higher; Horses none; Ponies to 55.00-80.00; Goats 15.00-44.00; Hay up to 58.00 per ton.

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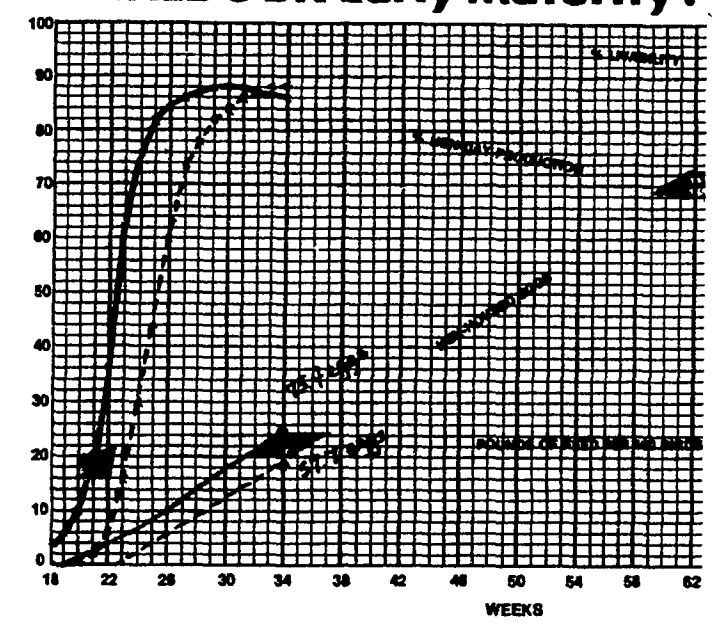

Here are 2 actual records demonstrating what the dollar advantage of DEKALB's DK early maturity can be. Records are to 34 wks.

	Early	Late
Eggs per hen housed	75.4	57.7
Avg. feed/100 hens	22 lb./da.	21 lb./da.
Total feed per hen	26.2 lb.	25 lb.
Feed Cost @ $150.00/T	$1.97	$1.88
Egg income @ 25¢/doz.	1.57	1.20
Difference in cost-income	($.40)	($.68)
ADVANTAGE OF EARLY MATURITY	28¢/bird	

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Poultry Feed Sales Manager

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Quality - Performance - Service

Livestock market and auction news

Hay Markets

New Wilmington
New Wilmington, Pa.
Friday, Jan. 21
100 loads hay, 19 loads straw.

Alfalfa 86.00-140.00, one load 152.50; Mixed hay 43.00-117.50, mostly 50.00-95.00; Timothy hay 55.00-70.00, few 90.00; Clover few 62.50-76.00; Straw 35.00-47.50; Ear Corn 3 loads 57.50-67.00; Stubble hay few 43.00-65.00; Oats 4 loads 1.70 to 2.00 per bushel.

Green Dragon Hay
Ephrata, Pa.
Friday, Jan. 21
Report supplied by PDA
122 loads hay and 33 loads straw.

Alfalfa 70.00-159.00, mostly 80.00; Mixed hay 65.00-136.00, one load 170.00; Timothy hay, 73.00-100.00, one load 115.00; Clover, few 61.00-83.00; Orchard Grass, few 61.00-75.00; Straw 67.00-93.00; Ear Corn, 14 loads 69.00-77.00, few down to 53.00; Corn Fodder, 2 loads 62.00 and 63.00; Oats, 2 loads $2.30 per bushel.

Frederick Co. Hay
Buckeystown, Md.
Thursday, Jan. 27
Report supplied by auction
74 loads.

Alfalfa 70.00-140.00; Alfalfa mixed two 114.00 & 129.00; Timothy 70.00-102.50; Timothy Mixed 50.00-107.50; Clover 62.50-91.00; Mixed 46.00-91.00; one Bromegrass 81.00; one Sudex 50.00; load of Round Bales 41.00; Wheat Straw 58.00-74.00; one corn 74.00; Oats 9.00 three-bu. bag; two Locusts posts 1.85 & 2.30 ea.; Firewood 38.00-68.00.

New Holland Hay
New Holland Sales Stables
Monday, Jan. 24
Report supplied by auction
183 loads; Market compared to last week slow to $10.00 lower; Straw active and fully steady.

Alfalfa choice 125.00 - 141.00, medium quality 90.00 - 125.00, few in the 80.00's with dust or off-color; Mixed choice 100.00 - 120.00, few Choice Alfalfa & Timothy up to 138.00, Clover & Timothy mostly 90.00 - 110.00, some down to 80.00; Timothy 90.00 - 100.00 few up to 110.00; some Meadowgrass & Timothy 80.00 - 90.00; some for Mulch 57.00 - 66.00; Clover 83.00 - 108.00; Straw mostly 75.00 - 85.00; several Bright Straw up to 97.00, some off-color under 70.00; Corn 71.00 - 79.00; Firewood 35.00 - 55.00; Fodder 52.00 - 62.00.

Good's Hay
Leola, Pa.
Wednesday, Jan. 26
Report supplied by auction
194 loads.

Mixed 55.00 - 132.00; Straw 59.00 - 88.00; two Oats 2.00 & 2.10 bu.; Alfalfa 71.00 - 142.00; Corn 57.00 - 70.00; Timothy 74.00 - 101.00; one Clover 88.00; Fodder 50.00 - 65.00.

Kiester's Hay
Middleburg, Pa.
Tuesday, Jan. 25
Report supplied by auction
30 loads of Hay: Timothy 60.00-77.00; Mixed 65.00-116.00; Alfalfa 90.00-116.00.

6 loads of Straw: 52.00-60.00.

3 loads of Ear Corn: 70.00-74.00.

1 load of Oats: 1.95 bu.

Regional Hay
Friday, Jan. 21
Report supplied by PDA
(All hay No. 2 and better, prices paid by the dealers at the farm and per ton.)

Hay & Straw slow & steady to $10 lower.

Alfalfa 95.00-110.00, few to 130.00; Mixed hay 75.00-100.00; Timothy hay 75.00-95.00; Straw 50.00-55.00, few to 70.00; Mulch 25.00-45.00.

Belleville Hay
Belleville, Pa.
Wednesday, Jan. 19
Report supplied by PDA
42 loads hay, 7 loads straw.

Alfalfa 70.00-145.50; mostly 80.00-102.50; Mixed hay 68.00-92.50; Straw 55.00-66.00.

Vintage Hay
Thursday, Jan. 27
Report supplied by auction
18 loads.

Alfalfa 60.00-88.00; Mixed 56.00-67.00; Timothy 69.00-76.00; Orchardgrass 60.00-73.00; Fodder 49.00-53.00; Straw 62.00-82.00.

Leinbach's Hay
Shippensburg, Pa.
Wednesday, Jan. 26
Report supplied by auction
35 loads.

Alfalfa 85.00-137.00; Mixed 85.00-96.00; Clover 86.00-96.00; one Timothy 85.00; Straw 50.00-55.00; Fodder 32.50-41.00; one Ear Corn 73.00.

Hagerstown Auction
Hagerstown, Md.
Wednesday, Jan 26
Report supplied by auction
29 loads.

Alfalfa $95 - $172.50; Alfalfa & Grass $62.50 - $125; Clover & Timothy $50 - $100; Clover $80 - $110; Timothy $90; Orchardgrass $55; Straw $55 - $60; Ear Corn $70.00.

Pa. Grain
Monday, Jan. 24
Report supplied by PDA
Compared with last Monday's market for Southeastern, Central and South Central Pa. Corn, steady to 5 cents higher. Wheat steady to weak, instances 15 cents lower. Barley & Oats steady to strong. Ear Corn steady to $3 higher.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 2.50-2.75, average 2.61, New Crop 2.73-2.80; Wheat No. 2 range 3.30-3.53, average 3.41, New Crop 3.30-3.40; Barley No. 3 range 1.80-2.20, few reported 2.30, average 2.08, New Crop 1.70-2.00; Oats No. 2 1.69-1.92, average 1.80; Soybeans No. 1 range 5.55-5.80, average 5.68, New Crop 5.75-5.95; Grain Sorghum #2 range 2.00, average 2.00; Ear Corn range 63.00-68.00, average 64.40.

Central Pa.

Corn No. 2-y range 2.45-2.65, average 2.55; Wheat No. 2 range 3.00-3.40, average 3.19; Barley No. 3 range 1.80-1.85, few reported down to 1.70, average 1.79; Oats No. 2 range 1.50-1.70, average 1.58; Soybeans No. 1 range few reported 5.55, average 5.55; Ear Corn 55.00-66.00, average 61.30.

South Central Pa.

Corn No. 2-y range 2.35-2.65, average 2.45; Wheat No. 2 range 2.85-3.00, few reported 3.40, average 3.01; Barley No. 3 range 1.70-1.80, average 1.78; Oats No. 2 range 1.60-1.75, few reported 1.95, average 1.69; Ear Corn range 62.00-75.00, average 66.63.

Southeastern Central & South Central Summary

Corn No. 2-y range 2.40-2.75, average 2.56; Wheat No. 2 range 3.00-3.50, average 3.25; Barley No. 3 range 1.75-2.15, average 1.89; Oats No. 2 range 1.50-1.85, average 1.67; Ear Corn range 57.00-68.00; average 63.93.

Western Pa.

Corn No. 2-y range 2.40-2.55, few reported 2.70, average 2.51; Wheat No. 2 range 2.80-3.00, average 2.94; Barley No. 3 range few reported 1.85, average 1.85; Oats No. 2 range 1.55-1.70, average 1.61; Ear Corn range 60.00-68.00, average 64.00.

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Every 4 Weeks
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R.D. 2, Quarryville, Pa
JOHN B. STOLTZFUS
R.D. 1, Kirkwood, Pa
Abe Diffenbach, Auctioneer
NEXT SALE DATE MARCH 18

Livestock market and auction news

St. Louis Cattle

Thursday, Jan. 27
Report supplied by USDA

Receipts This Week	3,800
Week Ago	4,800
Year Ago	5,000

Compared to the previous week, Slaughter Steers mostly .50, instances 1.00 higher. Slaughter Heifers .50 higher. Cows 2.00 higher. Bulls 1.00-2.00 higher. Slaughter supply mainly Choice and Mixed Choice and Prime Slaughter Steers, around 35% Heifers and 10% Cows.

SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1050-1275 lbs. 59.00-60.00, load and few packages 60.25-60.50; 4-5 1175-1250 lbs. 56.00-56.75; package 5's 1455 lb.s 51.75. Choice 2-4 950-1250 lbs. 58.00-59.50, closing 58.00-59.00. Good 2-3 900-1175 lbs. 55.00-57.00. Standard to Good 2-3 1075-1350 lbs. Holsteins 45.00-50.00. Load mostly Good, few Choice 51.00.

SLAUGHTER HEIFERS: Mixed Choice and Prime 2-4 875-1075 lbs. 57.00-57.50; 4-5 1060-1225 lbs. 52.75-54.75. Choice 2-4 825-1050 lbs. 55.50-57.00. Mixed Good and Choice 2-3 800-1050 lbs. 53.50-55.50. Good 2-3 750-975 lbs. 50.50-53.50.

COWS: (Closing week sales) Utility and Commercial 2-4 37.00-41.00 Boning Utility 1-2 41.00-43.00. High-Yielding Utility 1-2 43.00-44.00. Cutter 1-2 36.00-40.00. Canner and Low Cutter 1-2 32.00-37.00.

BULLS: YG 1-2 1050-1800 lbs. 45.00-51.00, closing 46.00-51.00. Couple YG 1 52.00.

Wednesday's Weekly sheep auction. Receipts about 400 head. Compared last Wednesday, Slaughter Lambs 1.00-3.00 higher. Other classes in light supply and prices not well tested.

Shorn Slaughter Lambs: Choice and Prime 96-124 lbs. with No. 1-2 pelts 60.00-61.00. Small lot Choice 88 lbs. 58.00.

WOOLED SLAUGHTER LAMBS: Choice and Prime 97-125 lbs. 57.00-60.00. Few lots Choice 84-100 lbs. 55.00-57.00. Lot 186 lb. Bucks 33.00.

SLAUGHTER EWES: Few head Good 17.00-20.00. Few aged Bucks 17.00-18.50.

FEEDER LAMBS: Lot 24 head fancy 76 lb. shorn 60.50. Scattered lots Choice wooled 73-94 lbs. 52.00-56.00.

FEEDERS: (Including around 1,200 at the regular Thursday auction.; Feeder Steers steady to 1.00 higher. Feeder Heifers 1.00-2.00 higher. Demand good for Heifers, only moderate for Steers. Supply mainly Medium Frame 1 and Mixed 1-2 350-800 lbs. Steers and 300-700 lbs. Heifers.

FEEDER STEERS: Medium Frame 1: 350-500 lbs. 64.50-71.50, mostly 65.00-68.00; 500-700 lbs. 62.50-66.25; 700-875 lbs. 61.00-64.00; lot fleshy 850 lbs. 57.75. Medium frame 1-2 and some small frame 1 375-500 lbs. 62.00-64.00; 500-700 lbs. 58.25-62.74. Large Frame 2 Holsteins: couple lots 425-575 lbs. 51.25-51.50; couple lots 800-1000 lbs. 44.00-47.00.

FEEDER HEFIERS: Medium Frame 1: 350-500 lbs. 55.00-59.50; 500-700 lbs. 55.00-59.25; few lots 725-800 lbs. 54.50-56.00. Medium Frame 1-2 and some small frame 1: 525-700 lbs. 50.00-53.50.

Omaha Cattle

Thursday, Jan. 27
Report supplied by USDA

Compared to previous week's close, Steers and Heifers steady - .50 lower. Cows 3.00-4.00 higher. Bulls 1.00 higher.

Fed cattle prices came under pressure all week as buyers sought to adjust live costs to declines in the beef trade. Demand proved generally unenthusiastic; but many interests were forced to replenish skimpy line inventories. Consequently losses were held to a minimum. Many consignments carried considerable amounts of mud, and consequently suffered sometimes sharp discounts. "Short-Fed" kinds present in large numbers, while Y.G. #4 again on the decrease.

At the Close:

STEERS: Load Choice, few Prime 2-4 near 1200 lbs. 61.00. Scattered loads and part loads Choice 2-4 1050-1300 lbs. 59.00-60.25; Several lots carrying considerable mud 58.00-59.00. Mixed Good and Choice 2-3 1000-1200 lbs. 58.00-59.00. Few Good 57.50-58.50.

HEIFERS: Load Choice, few Prime 2-4 near 1025 lbs. 59.50. Scattered loads and part loads Choice 2-4 925-1100 lbs. 58.00-58.50; some with considerable mud 56.00-57.00. Mixed Good and Choice 2-3 925-1050 lbs. 56.50-57.50. Good 54.50-56.50.

Steers comprised 40 pct of the week's receipts; Heifers 33 pct; Cows 11 pct; Feeders 15 pct. Four day receipts 11461; Last Week 10872; Year Ago 9423.

Average of LS 214 detailed quotations for 900-1100 lb. Choice Steers 59.38; 1100-1300 lbs. 60.10. Average cost Steers 58.95, average weight 1160 lbs.; as compared 59.47 and 1148 lbs. a week ago. Average cost Heifers 57.67, average weight 999 lbs.; as compared 57.57 and 1010 lbs. a week ago.

COWS: High Cutter, Utility and Commercial 1-3 38.50-40.00. Cutter 37.00-39.00. Canner and Low Cutter 35.00-37.00.

BULLS: 1-2 1100-1800 lbs. 45.00-50.00.

Lebanon Valley Auction

Fredericksburg, Pa.
Tuesday, Jan. 25
Report supplied by PDA

CATTLE. Compared with last Tuesday's market, slaughter cows steady to 75 cents higher, spots to $1.25 higher. Two Choice slaughter steers 58.85 and 59.25, few Good & Choice holsteins 54.10-57.50, few Good 56.00-59.00, few Standard 50.00-54.25. One Choice slaughter heifer at 57.00, one Utility at 44.10. Utility & Commercial slaughter cows 40.50-43.75, few to 44.60; one Commercial at 51.00, Cutters 37.00-40.85, Canner & Low Cutter 34.00-38.25, few Shells down to 25.00. Few Utility & Standard slaughter bullocks 46.75-51.00. Few Yield Grade #1 1345-2115 lbs. slaughter bulls 51.00-54.00.

CALVES 200. Vealers grading Standard & Good $1 to$3 higher. Two Choice vealers 99.00 and 110.00, one 265 lbs. at 77.00, few Good 62.00-83.00, Standard & Good 90-120 lbs. 56.00-60.00, 65-85 lbs. 48.00-58.00, few Utility 55-85 lbs. 32.00-49.00. Farm calves, holstein bulls 85-125 lbs. 60.00-91.00; few holstein heifers 80-125 lbs. 72.00-83.00.

HOGS 120. Barrows & gilts $1.50 higher on small supply. US Nol. 1-2 205-235 lbs. barrows & gilts 59.60-60.35, lot 261 lbs. at 58.75, No. 1-3 205-275 lbs. 58.35-59.75, lot No. 2-3 198 lbs. at 55.00, lot No. 1-3 185 lbs. at 50.25. US No. 1-3 270-570 lbs. sows 45.00-5075, few to 54.50. Boars 38.50-42.50.

FEEDER PIGS 9. Lot US No. 1-3 25 lbs. feeder pigs 50.00 cwt., lot No. 1-3 60 lbs. 30.00 cwt.

SHEEP 1. Slaughter sheep, (one) at 13.00.

GOATS 2. 40.00 and 45.00 per head.

Oklahoma Cattle

Thursday, Jan. 27
Report supplied by USDA

Estimated Receipts	900
Same Day Last Week	232
Actual Sale Ring Total	522

Rest same as early report.

FOR THE WEEK: Compared to last week, Feeder Steers closed steady to 50 cents higher. Feeder Heifers under 500 lb. 1.00-2.00 higher; Over 500 lb. steady to 1.00 higher. Slaughter Cows were mostly 1.50-2.00 higher with limited Thursday sales of Utility and Commercial 2-3 39.60-41.75; Cutters 1-2 37.50-37.75, package 1205 lb. Holsteins 40.75. Slaughter Bulls were 1.00-2.00 lower in limited test with YG 1-2 1500-1700 lbs. 47.25-52.00; 1125-1500 lbs. 46.00-49.25. Salable receipts totaled near 11,500 head compared with 14,052 head last wek and 19,757 head the comparable period a year ago. Majority of receipts consisted of Feeder Steers and Heifers; Cows and Bulls comprised 8 percent of salable supply.

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Livestock market and auction news

THE OLD FARMER'S ALMANAC

JAN. 31-FEB. 6, 1983

Touch up the fire, sire.

Should have half your hay and half your wood left . . Four chaplains went down with torpedoed *Dorchester* Feb. 3, 1943 . Last quarter of the moon Feb. 4 (Thurs.) . . . Average length of days for the week, 10 hours, 5 minutes . . Patricia Hearst abducted Feb. 4, 1974 . . . *Love is the reward of love.*

Ask the Old Farmer: I have been trying to find out over the years why a boat is called a "she." Do you know why? D.H., Washington, DC.

It's old English colloquial. Boats, tools, and carts favored by men are called "she" because they are close to a man's heart.

Home Hints: If your cold, hard-boiled eggs are difficult to peel, place them in a pan of hot water for 20 seconds, then peel.

OLD FARMER'S WEATHER FORECAST

New England: Most of week, warming and clearing; week ends partly cloudy and cold.

Greater New York-New Jersey: Cloudy and cold; then clearing and warming; end of week, partly sunny, cold, snow in mountains

Middle Atlantic Coastal: To begin week, unseasonably cold but clearing; light snow towards week's end.

Piedmont & Southeast Coastal: Week starts clear and cold; at very end, sunny and seasonal.

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Carlisle Auction

Carlisle, Pa.
Tuesday, Jan. 25
Report supplied by auction

CATTLE: Steers were steady; Heifers were 2.00 lower; Cows were .75 higher; Bullocks were 1.00 lower; Bulls were 1.00 lower. Steers: Nice run. Choice 57.85-61.50; Good 53.00-56.00; Standard 50.25-52.85; Utility 49.00 down. Heifers: Low Choice to Choice #2; 53.50-56.25; Standard & Good 49.00-51.25; Utility & Low Standard 48.85 Down. Cows: Earlybird Pen 2.00 higher. Utility & Commercial 39.00-43.85; Cutter 38.50-40.10; Canner & Low Cutter 34.75-38.00; Shells 34.00 Down. Large run of cows with a very strong demand! Bullocks: (Beef Bulls) 51.00-54.85. Bulls: Yield Grade No. 1, 49.50-51.50; Yield Grade No. 2, 43.75-46.00.

FEEDER CATTLE: Steers were steady; Heifers were steady; Bulls were 10.00 higher; Light run. Steers: Good 400-515 lbs. 55.50-56.00; Medium 695-850 lbs. 45.00-46.00. Heifers: Medium 435-500 lbs. 44.00-48.00; Bulls: 415-595 lbs. 60.00-63.50 for Good; Medium 485-615 lbs. 53.50-54.00; Medium 705 lbs. 49.00.

CALVES: Vealers were 11.00 higher; back to the farm calves were 1.00 higher for Hol. Bulls; active bidding with a very strong demand for vealers and farm calves. Vealers: Choice 90.00-106.00; Good 75.00-90.00; Standard & Good 60.00-75.00; Standard & Light 65.00 down.

Farm Calves: Hol. Bulls 90.00-106.00; Hol. Heifers 90-96.00.

HOGS: Very strong demand! Large run. US No. 1-2, 59.25-62.50; US No. 1-3, 56.25-59.00; Sows: 6.00 higher! US No. 1-3, 51.00-57.00; No. 2-3, 45.00-48.00. Boars: Average 42.25-49.55, 6.00 higher than last week.

FEEDER PIGS: US No. 1-3, 30-35 lbs. 30.00-37.00 head. US No 1-3, 44-50 lbs. 40.00-47.00 head.

LAMBS: Choice to 73.00; Good 53.00-57.00; Goats: 26.00-50.00 head.

Keisters Middleburg Auction

Middleburg, Pa.
Tuesday, Jan. 25
Report supplied by PDA

CATTLE 272: Compared with last Tuesday's market, slaughter steers mostly .25-1.00 higher. Slaughter cows strong to 1.00 higher. Few High Choice & Prime slaughter steers 63.10-63.50, Choice No. 2-4 1000-1480 lbs. 59.00-62.25, couple to 63.00, Good 55.50-58.00, Standard 50.50-54.50, few Standard & Good holsteins 52.00-54.25. Choice slaughter heifers 55.50-60.50, one at 61.85, few Standard 48.00-51.25. Utility & Commercial slaughter cows 39.25-43.85, couple to 48.75, cutters 38.00-40.50, Canner & Low Cutter 34.00-38.00, few Shells down to 30.00. Few Good slaughter bullocks 54.50-55.00. Few Yield Grade #1 1290-1645 lbs. slaughter bulls 52.85-54.75. Few Medium Frame #1 400-600 lbs. feeder steers & bulls 49.00-54.00.

CALVES 176: Choice vealers 90.00-105.00, few Good 70.00-85.00, Standard & Good 70-100 lbs. 51.00-60.00, Utility 50-85 lbs. 44.50-51.00. Farm calves, holstein bulls 90-125 lbs. 60.00-90.00, couple to 96.00; few holstein heifers 85-130 lbs. 83.00-92.00.

HOGS 412: (Monday, January 24, 1983). Barrows & gilts 2.50 higher. US No. 1-2 215-235 lbs. barrows & gilts 60.50-61.50, few to 62.00, No. 1-3 200-250 lbs. 59.85-60.50, No. 2-3 190-270 lbs. 57.00-59.85. US No. 1-3 285-600 lbs. sows 48.00-53.00, No. 2-3 260-500 lbs. 44.00-48.00. Boars 43.75-47.25. (Tuesday 75). One lot US No. 1-2 215 lbs. barrows & gilts at 59.10.

FEEDER PIGS 283: US No. 1-3 20-35 lbs. feeder pigs 38.00-48.00 per head, No. 1-3 35-55 lbs. 48.00-62.00, few Lots No. 1-3 75-85 lbs. 69.00-71.00 per head.

SHEEP 29: Choice 80-105 lbs. wooled slaughter lambs and some shorn 58.00-66.50. Slaughter ewes 25.00-35.00.

Morrison Cove Auction

Martinsburg, Pa.
Monday, Jan. 24
Report supplied by Auction

CATTLE 260. High Choice & Prime slaughter steers 60.25-61.75, Choice 59.25-60.75, Good 58.25-59.00, Standard 52.50-57.25, Utility 44.50-50.25. Choice slaughter heifers 57.00-57.25, Good 55.25-56.50, Standard 48.25-54.25, Utility 38.50-45.50. Utility & Commercial slaughter cows 44.75-47.25, Commercial 41.50-43.75, cutters 39.25-41.25, Canner & Low Cutter 36.50-39.25, Shells down to 31.25. Good slaughter bullocks 51.75-54.25, Standard 46.50-49.75, Utility 40.25-45.25. Yield Grade #1 slaughter bulls 52.00-54.25; yield grade #2 45.00-49.00. Choice feeder steers 54.50-57.50, Good 50.50-53.25, Medium 42.50-50.00; Good feeder heifers 52.50-56.50, Medium 42.50-50.25; Good feeder bulls 51.50-54.00, Medium 42.50-48.50.

CALVES 309. Prime vealers 94.50-100.00, Choice 86.50-92.50, Good 78.50-82.50, Standard & Good 110-130 lbs. 60.50-67.50, 90-110 lbs. 55.00-60.50, 70-90 lbs. 50.00-55.00, Utility at 44.00. Farm calves, holstein bulls 90-130 lbs. 65.00-101.00; holstein heifers 90-130 lbs. 62.50-102.00.

HOGS 236. US No. 1-2 200-260 lbs. barrows & gilts 58.25-60.25, No. 1-3 200-240 lbs. 58.00-59.25, No. 2-3 200-250 lbs. 54.50-56.50, No 2-3 250-300 lbs. 52.50-5400. US No. 1-3 450-500 lbs. sows 52.50-54.25, No. 2-3 350-450 lbs. 48.25-51.25. Boars 40.25-44.50, light weights 44.50-54.00.

FEEDER PIGS 75. US No. 1-3 20-40 lbs. feeder pigs 27.50-49.00 per head, No. 1-3 40-60 lbs. 49.00-55.00 per head.

SHEEP 3. Few Choice 110-120 lbs. wooled slaughter lambs 50.25-61.00. Few Slaughter ewes 19.50.

GOATS 12. 26.00-38.00 per head.

Peoria Cattle

Thursday, Jan. 27
Report supplied by USDA

Compared to last week Slaughter Steers closed steady. Heifers steady to .50, instances 1.00 higher. Cows 1.00 higher. Bulls steady to firm. Trade during the week fairly active with Good demand on all classes. Buyers remain cautious in lieu of an unsettled carcass beef trade and liberal amount of consignments carrying mud. Majority of supply Good and Choice Steer and Heifers with 18% Cows and Bulls. Receipts this week 2100. Compared to 2472 last week and 2554 last year.

SLAUGHTER STEERS: Choice 2-4 950-1300 lbs. 58.50-60.00, bulk 59.00-59.50. Package 1125 lbs. carrying mud 58.00. Good and Choice 2-3 950-1300 lbs. 57.50-59.00. Good 57.00-58.00. Holsteins: Standard to Good 2-3 1150-1300 lbs. 46.00.

SLAUGHTER HEIFERS: Choice 2-4 925-1075 lbs. 58.00-59.50, load 1000 lbs. 60.00. Several part loads YG 3-4's 57.00 58.00. Good to Choice 2-3 875-1000 lbs. 57.00-58.00. Good 55.00-57.00.

COWS: Utility 1-3 37.00-41.25, Cutter 35.00-37.00. Canner and low Cutter 30.00-35.00.

BULLS: YG 1-2 1250-2050 lbs. 45.00-50.00, bulk 45.00-48.00. 1000-1300 lbs. 42.00-45.00.

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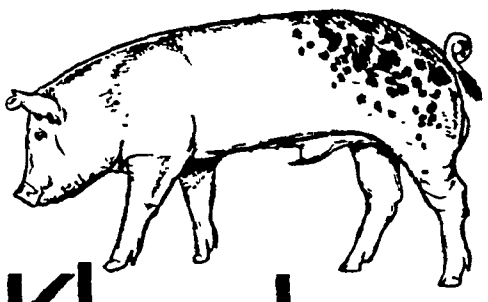
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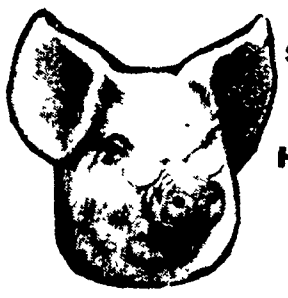
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Livestock market and auction news

Virginia Auction Summary

Jan. 20-26
Report supplied by VDA

Total of Va. Weekly Feeder Cattle Auction Receipts: 2,907.
TREND: Steady to 1.00 higher.

Southwest, Va.
Auction Summary
Jan. 20-26

STEERS: 300-500 lbs. Medium 1 58.00-67.00; Large 1 65.00-71.00; Small 1 53.00-62.25. 500-700 lbs. Medium 1 59.50-65.00; Small 1 54.00-61.50. 700-1000 lbs. Medium 1 54.50-62.50; Small 1 57.00-57.50.

HEIFERS: 300-500 lbs. Medium 1 51.00-57.00; Large 1 54.00-58.00; Small 1 45.00-55.00. 500-700 lbs. Medium 1 47.50-56.50; Large 1 53.00-56.50; Small 1 46.00. 700-900 lbs. Medium 1 50.00-51.00; Large 1 54.00-55.00.

Northern Va.
Auction Summary
Jan. 20-26

STEERS: 300-500 lbs. Medium 1 58.00-68.00; Large 1 62.00-66.50; Small 1 56.50-58.00. 500-700 lbs. Medium 1 56.50-65.00; Large 1 62.50-65.50; Small 1 56.00-57.75. 700-1000 lbs. Medium 1 53.00-59.75; Large 1 58.60-60.50.

HEIFERS: 300-500 lbs. Medium 1 48.00-56.00; Large 1 50.50-55.50; Small 1 45.00-56.00. 500-700 lbs. Medium 1 47.00-56.50; Large 1 53.00-57.00; Small 1 50.00-52.00. 700-900 lbs. Large 1 47.00-49.00.

Southeast Va.
Auction Summary
Jan. 20-26

STEERS: 300-500 lbs. Medium 1 58.00-65.00. 500-700 lbs. Medium 1 55.00-61.75.

HEIFERS: 300-500 lbs. Medium 1 49.50-57.00; Large 1 54.00-55.00; Small 1 53.00-53.50. 500-700 lbs. Medium 1 48.50-54.75; Large 1 52.50-53.75; 48.75-50.00.

Lanc. Co. Weekly

(Continued from Page A2)

Choice 2-3 900-1225 lbs. 57.50-62.00, few Choice Grade 2 62.00-62.50; Good 2-3 825-1050 lbs. 52.50-58.00.

COWS: Utility and Commercial 1-3 40.50-44.50, several early part of week 44.50-47.00, Commercial 3-4 38.50-40.50, Cutter 1-2 38.00-42.50, few early part of week 42.50-45.00, Canner and low Cutter 36.00-39.00.

BULLOCKS: Choice 1000-1475 lbs. 55.75-60.00, few 61.00-64.00; Good 1000-1275 lbs. 52.00-56.00.

BULLS: Yield Grade 1 1350-2000 lbs. 50.75-55.00, few 55.25-59.25, couple 61.00-61.25; Yield Grade 2 1000-1450 lbs. 46.75-52.00.

VEAL CALVES: Vealers firm to 5.00 higher. Demand good for holstein bulls to return to farm.

VEALERS: Prime 175-280 lbs. 118.00-123.00, one lot special fed 315 lbs. 128.00; Choice 160-280 lbs. 99.00-110.00, few 110.00-118.00; high Good and low Choice 160-250 lbs. 85.00-100.00, 115-160 lbs. 62.00-90.00, 80-115 lbs. 54.00-71.00, 60-80 lbs. 49.00-58.00.

SLAUGHTER CALVES: Few Good and Choice 260-425 lbs. 54.00-70.00.

RETURN TO FARM: Few 100-115 lb. holstein heifers 77.00-81.00, few 85-95 lbs. 61.00-75.00; bulk 90-125 lb. holstein bulls 80.00-95.00, few 95.00-100.00, several 85-95 lbs. 62.00-80.00.

Eighty-four Auction

Eighty-four, PA.
Monday, Jan. 24
Report supplied by PDA

CATTLE 238. Compared with last Monday's market, slaughter cows 50 cents to $1 higher. Choice slaughter steers 58.00-61.00, Good 54.00-57.00, Standard 48.00-54.00, few Utility 44.00-48.75. Choice slaughter heifers 55.00-58.75, Good 50.50-55.25, Standard 43.00-48.50, Utility 40.00-44.00. Utility & Commercial slaughter cows 39.50-43.00, few 43.50-45.00, Cutters 36.50-40.00, Canner & Low Cutter 32.00-36.50, Shells down to 24.00. Standard slaughter bullocks 51.00-53.00. Yield Grade #1 1000-1650 lbs. slaughter bulls 49.00-52.00, one at 53.75; yield grade #2 950-1400 lbs. 45.00-48.00. Medium Frame #1 400-600 lbs. feeder steers 59.00-67.00; Medium Frame #1 400-600 lbs. feeder heifers 52.00-58.00.

CALVES 216. Vealers grading Good & Choice $5 higher, Standard & Good $10 to $15 higher. Choice vealers 95.00-104.00, Good 80.00-92.00, Standard & Good 90-120 lbs. 55.00-70.00, 60-85 lbs. 48.00-60.00. Farm calves, holstein bulls 90-120 lbs. 80.00-130.00.

HOGS 159. Barrows & gilts $1.50 to $2 higher. US No. 1-2 210-250 lbs. barrows & gilts 58.00-58.75, No. 1-3 200-260 lbs. 56.00-57.75, one lot No. 2-3 265 lbs. at 55.00, No. 1-3 100-180 lbs. 48.00-52.75. US No. 1-3 300-650 lbs. sows 50.00-55.75, few No. 2-3 400-500 lbs. 49.00-50.50. One Boar at 40.00.

FEEDER PIGS 25. US No. 1-3 55-70 lbs. feeder pigs 46.00-58.00 per head, one lot No. 1-3 30 lbs. 27.50 per head.

SHEEP 58. Wooled slaughter lambs $1.50 to $2 higher. Choice 75-85 lbs. wooled slaughter lambs 60.00-64.50, Good 100-110 lbs. 58.00-60.50. Slaughter sheep 20.00-24.00.

GOATS 6. 20.00-43.00 per head.

New Wilminton Auction

Monday, Jan. 24
Report supplied by PDA

CATTLE 182. Compared with last Monday's market, slaughter cows 50 cents to $1 higher. One Choice slaughter steer at 61.00, Good to Low Choice 55.00-58.00, few Standard 51.00-52.50. One Choice slaughter heifer at 58.50, one Good at 50.25, few Standard 41.75-45.00. Utility & Commercial slaughter cows 39.50-44.50, few 45.00-46.25, Cutters 37.00-41.00, Canner & Low Cutter 30.00-37.00, Shells down to 19.50. Few Good slaughter bullocks 52.00-53.25. Yield Grade #1 1000-1990 lbs. slaughter bulls 45.00-49.50; few yield grade #2 750-1070 lbs. 38.75-42.00. Medium Frame #1 380-485 lbs. feeder heifers 44.00-48.00.

CALVES 195. Vealers mostly steady. One Prime vealer at 103.00, Choice 90.00-97.50, Good 78.00-90.00, Standard & Good 90-125 lbs. 55.00-65.00, 65-85 lbs. 45.00-57.00, Utility 50-105 lbs. 40.00-45.00. Farm calves, holstein bulls 95-130 lbs. 60.00-70.00; holstein heifers 90-110 lbs. 60.00-62.00.

HOGS 513 Barrows & gilts mostly 75 cents higher. US No. 1-2 210-245 lbs. barrows & gilts 58.35-59.75, No. 1-3 200-265 lbs. 57.00-58.50, No. 2-3 245-290 lbs. 53.50-56.00, No. 1-3 165-190 lbs. 49.50-53.00. Sows about steady. US No. 1-3 300-575 lbs. sows 48.00-55.50. Boars 43.00-48.50.

FEEDER PIGS 54. US No. 1-3 15-30 lbs. feeder pigs 19.00-33.00 per head, No. 1-3 30-40 lbs. 33.00-41.00, few No. 1-3 45-60 lbs. 50.00-61.00 per head.

SHEEP 115. Choice 70-90 lbs. new crop lambs 65.00-75.00, Choice 85-120 lbs. wooled slaughter lambs 50.00-61.50, Good 60-80 lbs. 50.00-58.00, few Utility 65-70 lbs. 39.00-42.00.

Dewart Auction

Dewart, Pa.
Monday, Jan. 24
Report supplied by PDA

CATTLE 247. Compared with last Monday's market, slaughter steers grading Choice 50 cents to 75 cents lower. Slaughter cows 25 cents to $1.50 higher. Choice 1000-1380 lbs. slaughter steers No. 2-4 slaughter steers 58.50-61.00, one at 63.00, few Good 55.75-58.00, Standard 50.25-54.50, few Utility 43.50-47.00. Choice slaughter heifers 56.75-61.00, couple 63.35. Utility & Commercial slaughter cows 39.00-43.25, few to 46.75, Cutters 37.50-40.00, Canner & Low Cutter 34.00-37.50, Shells down to 30.00. Couple Good slaughter bullocks 57.50 and 57.75. Few Yield Grade #1 1320-1875 lbs. slaughter bulls 47.50-53.00. Few Medium Frame #1 450-850 lbs. feder steers 54.00-58.00.

CALVES 219. Few Choice vealer 90.00-105.00, few Good 70.00-85.00, Standard & Good 70-100 lbs. 54.00-61.00, Utility 50-80 lbs. 50.00-54.00. Farm calves, holstein bulls 90-125 lbs. 65.00-103.00.

HOGS 265. Barrows & gilts $1.75 higher. US No. 1-2 210-245 lbs. barrows & gilts 59.85-60.35, No. 1-3 200-250 lbs. 59.50-59.85, one lot No. 2-3 260 lbs. 53.25, one lot No. 1-3 175 lbs. 55.85. US No. 1-3 350-700 lbs. sows 46.25-50.25. Few Boars 41.75-48.00.

FEEDER PIGS 180. US No. 1-3 15-20 lbs. feeder pigs 23.00-31.00 per head, No. 1-3 20-35 lbs. 31.00-43.00, one lot No. 1-3 40 lbs. 46.00 per head.

SHEEP 26. Choice 90-130 lbs. wooled slaughter lambs 53.00-62.00. Few Slaughter ewes 19.00-28.00.

Penns Valley Livestock

Centre Hall, Pa.
Tuesday, Jan. 25
Report supplied by auction

Beef Cows: Utility and Commercial 40.10-44.00; Cutters 36.25-39.50; Canners 33.10-35.85; Shells 27.00.

Heifers: Standard 47.25-49.25; Commercial 35.25-44.95.

Steers: Good 51.85-53.00; Standard 46.50-49.50.

Bulls: Good 43.50-45.00; Standard 36.00-42.50.

Feeder Cattle: 300-500 lbs. large frame 49.50-53.00; 500-700 lbs. large frame 34.00-44.10.

Veal Calves: Prime 85.50-91.00; Choice 77.25-83.25; Good 64.50-75.25; Standard 54.25-63.00; Utility 46.00-52.50.

Farm Calves: Bulls 75.00-90.00; Heifers 63.00-88.00.

Hogs: 54.50-57.00.
Sows: 42.00-47.00.
Boars: 38.00-45.50.
Shoats: To few to test.
Lambs: 52.00-58.50

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, Jan. 22
Report supplied by auction

FEEDER CATTLE: Steers: M&L-1 300-500 lbs. 58.00-68.00; 500-700 lbs. 59.00-63.00; 700-1000 lbs. 55.00-59.75. S-1&M&L-2 300-500 lbs. 64.00-68.00; 700-1000 lbs. 48.00-52.50. Feeder Bulls: M&L-1 300-500 lbs. 55.50-62.00; 500-700 lbs. 50.00-55.00. Heifers: M&L-1 300-500 lbs. 50.00-54.50; 500-700 lbs. 47.00-54.00. Stock Cows: Beef 300.00-475.00; Baby Calves 39.00-70.00.

SLAUGHTER COWS: Utility & Commercial 2-4 34.50-42.00; Canner & Cutters 1-3 24.25-34.50.

LAMBS: Trend- 2.50 higher. Blue O High Choice & Prime 58.50.

HOGS: US 1-3 200-240 lbs. 57.00; Sows 1-3 48.00-54.00.

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Bring Your Small Tools, Accessories, Loads of Hay and Straw, Corn Fodder, etc.
FINAL NOTICE
We must have your consignment listing by Monday, January 31 in order to be included in our pre-sale listing.
NOTICE! Hauling Services Available...Call 717-626-4705

THINKING ABOUT A FARM COMPUTER?
Look for us next week at the Extension Services' Farm Computerization Symposiums.
Feb. 1 - Farm & Home Center, Lancaster, PA
Feb. 2 - The Embers, Carlisle, PA
Feb. 3 - Cedar Eatery, Allentown, PA
Farm Software Services
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Off the Sounding Board

By Sheila Miller, Editor

Do something wild

Whenever it gets to be income tax filing time, I go a little crazy — searching through piles of paid bills for invoices to match check amounts as proof for deductions and whatever else the drudgery of farm bookkeeping requires.

Now, don't get me wrong, I'm not totally disorganized. As a matter of act, I masochistically enjoy entering those columns of figures which bring back memories of months gone by, and another goal accomplished. As each figure corresponds to another seasonal expense, I can watch the year go by in review.

Fertilizer, seed, and planting bills mark the beginning of another crop season. It's the time of year for long-awaited calves and greening pastures — and a busy time, despite the still-short days.

Summer months are accompanied by now-familiar bills from our AI technician, each a report card in our heat-detection education.

With fall comes crop-harvesting bills and calf registration slips. And following not far behind are entry fees and supplies listed on ragged, manure-stained slips of paper just recently dragged out of a forgotten showbox.

Another farming year under our belts — and some folks said we wouldn't make it through the first one.

Speaking of firsts, Pennsylvania is trying "something wild" and everyone filing a state income tax this year has a chance to cash in on the "fun."

With the logo, "Do something wild" featuring a checkmark-perched owl, the state has created a special "Wild Resource Conservation Fund" to be used for the management and protection of nongame wildlife and wild plants. The legislation says nongame wildlife includes birds, mammals, fish, reptiles and amphibians not typically sought by hunters, trappers or anglers. Wild plants will include native species — excluding farm crops.

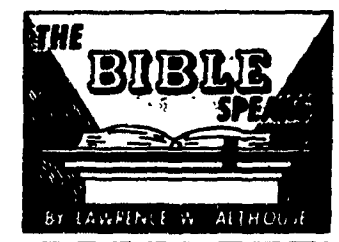
Who'll use these checkoff wildlife funds? The Department of Environmental Resources, the Fish Commission and the Game Commission.

To contribute to the Wild Resource Conservation Fund, all that's needed is a figure on line 19c of the PA-40 long form or on line 10c of the short form PA-40A. Whatever you write in will be the amount of overpayment the state can expect to retain from your tax check — they'll even keep some out of a reimbursement check of less than $1.

Now, for those of us unfortunate enough not to receive anything back from the state income tax we've paid into the kitty all year, the state tells us we can join the other conservation-minded Pennsylvanians in donating to the conservation fund. "Simply make a check or money order payable to the Pennsylvania Wild Resource Conservation Fund. Mail it directly to Do Something Wild, Box 2063, Harrisburg, PA 17120."

If you really want to do something wild, tell the state to keep your entire refund check. Then claim it next year as a tax deductible charitable contribution on your federal income tax return.

Listen, maybe if this idea works, the state's agriculture department can finagle a line on next year's income tax form. Then taxpayers could donate to another endangered species — the farmer.



LEARNING FROM A CROOK

January 30, 1983

Background Scripture: Luke 16:1-13, 19-31.
Devotional Reading: Amos 5:6-15.

The parable of the Dishonest Steward in Like 16 is likely not a very popular one in the churches. For the most part it is simply ignored in the lectionaries and collections of sermon resources. Those who stumble upon it are likely to race on without a backward glance.

The reason, of course, is self-evident: Jesus' parable is about a crook who cheats his employer and then is commended for it. How embarrassing! Surely there must be some mistake here.

TURN IN THE ACCOUNT

If we examine the parable more closely, however, we find there is some important teaching here for us from Christ. The steward is clearly dishonest - in fact, that's the point Jesus is trying to make. If a dishonest steward is smart enough to use worldly goods to secure his future, shouldn't the followers of Christ do even more?

Look at the story carefully. The steward is first in jeopardy because charges were brought to his master that the man is "wasting his goods." Threatened with the loss of his position, the dishonest steward now begins to use the material goods to protect his future. Because he is a dishonest man, he uses these goods in a fraudulent way to insure his security. Oddly enough, when the master learns of this skullduggery, he shocks us by commending the crook for his crafty strategy.

Jesus does not condone the man's deceit, but he is telling us that we must be no less intelligent in our own use of material goods. "For the sons of this world are wiser in their own generation than the sons of light." The choice confronting the followers of Jesus is not between being moral or being wise, but of being both. Just because the Christian chooses to be good is no reason for him to allow himself to be stupid. In the parable it is apparent that resourcefulness is a quality that God looks for in all his children.

THE TRUE RICHES

The parable Jesus told about the dishonest steward is meant, not to shock us, but to shame us. Even the dishonest servant is a better steward than some of God's honest servants. Being honest is not enough — although it is a good start — for we are also expected to be good stewards of what God give us. If "the sons of this world" do a better job in being crooked than we do in being honest, that is a judgement upon our stewardship. The servant who hid his talent in the ground didn't do something evil with it, but his failure to do something worthwhile made him an "unprofitable servant."

Once again, let us understand what Jesus is saying in this parable: let not the dishonest, but enterprising, steward stand at the top of the class when it comes to using material things wisely. Let the "children of light" be even more enterprising in order to fulfill their stewardship in God's sight.

OUR READERS WRITE

Belgian breeder correction

As a native of Pennsylvania, I enjoyed reading the Jan. 15 issue of Lancaster Farming. I was reared "going to the Farm Show" and was especially interested to see the show results this year.

This was only the second time since the mid-1940s that my family did not exhibit Belgian horses at your ag-extravaganza. In some years they exhibited not only Belgians but also Percherons, Merino sheep, hay, and wool.

I was disappointed to note an error in Dick Anglestein's article entitled "Twin first-timers win Belgian grands." The Orndorff who bred the grand champion mare, Orndorff's Congolaise Pinky, and her mother, Orndorff's Highland Lassie (grand champion mare at the Farm Show six times) was not Larry B. Orndorff but Charles B. Orndorff of Waynesburg in Greene County.

Charles B. Orndorff (my grandfather) at age 86 is still very active in the horse business. In fact, he was in center ring on Jan. 10 to see Pinky named champion mare. Larry B. Orndorff may be an excellent horseman but he has had no connection with the particular mare in question.

Charlotte O. Dinsmore

Time to deal with EEC

One of our highest priorities in agriculture in 1983 will be convincing the European Economic Community that its right to swing its agricultural subsidy fist ends at Uncle Sam's nose.

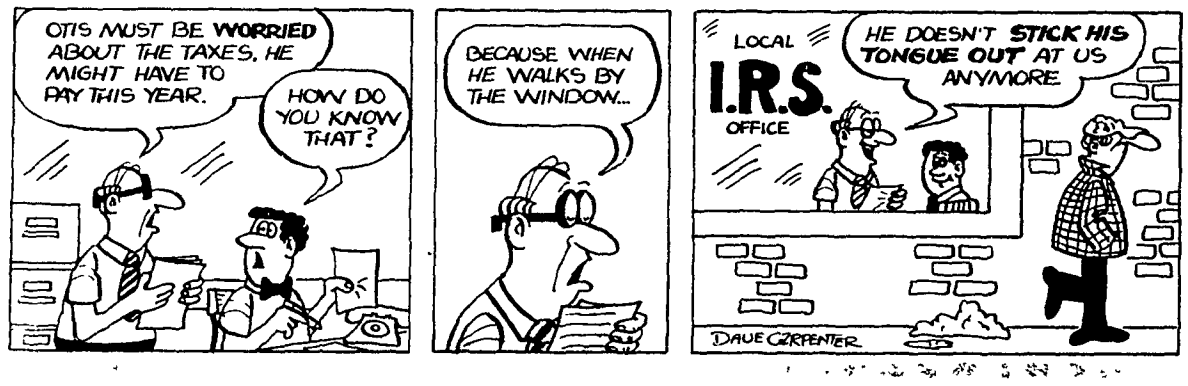
Our American farmers are being hurt by the predatory trade practices of the EEC. Commodity prices are severly depressed for the third straight year, due in part to massive surplus stocks of farm commodities. Yet our farm exports are declining for the second straight year. And, through the use of predatory export subsidies, the EEC has gone from being a net importer to a net exporter of grains, beef, poultry, sugar, and other commodities.

America would have no legitimate complaint if the EEC had gained these markets fairly. It has not. American farmers, the most productive and efficient in the world, hold a comparative advantage on the world market. The EEC can export its farm products only through the use of massive subsidies that undercut the prices of all competitive countries.

Frankly, this situation is intolerable. As a Congressional spokesman at the recent Ministerial Conference of the General Agreement on Trades and Tariffs, I made it clear that

(Turn to Page A11)

OTIS


OTIS MUST BE WORRIED ABOUT THE TAXES, HE MIGHT HAVE TO PAY THIS YEAR.
HOW DO YOU KNOW THAT?
BECAUSE WHEN HE WALKS BY THE WINDOW...
LOCAL
I.R.S.
OFFICE
HE DOESN'T STICK HIS TONGUE OUT AT US ANYMORE
DAVE GARPENTER

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

To Reorganize Fertilizer Values

Since the cost of commercial fertilizers continues high, we should take a look at other sources of plant food; I am referring to farm manure and legume sods in the crop rotation.

The 1983 Agronomy Guide gives a very good comparison of these fertilizer values on page twelve.

With the amount of manure that is being applied to some of our livestock and poultry farms, it is quite possible that very little commercial fertilizer will be needed.

Alfalfa sod can add as much as 75 pounds of nitrogen per acre. This is one advantage to having legumes in the crop rotation.

A complete soil test will reveal the needs of each field. Then the needs can be met by using farm manures, legume sods, or commercial fertilizer. Careful handling and storage of manure will preserve many of these valuable fertilizer elements.

To Make Sure Ponds Are Safe

Over the last two weeks I've noticed a lot of people, both young and old, ice skating on farm ponds. It's good exercise and an excellent sport. But, be sure you are prepared in case of an accident. Owners should be certain that rescue equipment is handy and not in the barn or garage several blocks away. Wooden ladders, boards or other items can be shoved out to the person in the water if needed; it should be large enough to distribute the weight of the person making the rescue. A rope is also a good item to pull people out with.

Skating is a very enjoyable winter-time sport. Don't be the victim of an accident that could have been prevented.

To Exercise Dairy Cows

The importance of turning out the dairy herd each day from stanchion or comfort stalls should not be overlooked. As we expect more production per cow, the stresses are greater, and if not given exercise, more breeding problems will result. Dairymen with free-stalls have the opportunity of observing heat periods all the time. However, cows that are confined to stalls present a problem with heat detection. There are very few days that the weather is so bad that the milking herd should not be turned out for a few minutes. If the dairyman is alert and observing, cows that are in heat can be observed and bred. We seem to be having breeding problems in many of our good dairy herds. Exercise might help.

To Update Pesticide Certificate

Most of you farmers have license/permits to buy and apply restricted use pesticides to cropland, livestock and poultry buildings. These are usually issued for three years. Many are scheduled to expire on September 30, 1983, reminds Arnold G. Lueck, Extension Agent, Agronomy-Horticulture. This means you will need to attend a meeting where current pesticide uses and recommendations are discussed

(Turn to Page A11)

OUR READERS WRITE,
AND OTHER OPINIONS

(Continued from Page A10)

Congress is willing to do whatever is necessary to change things.

The Congressional delegation asked for the establishment of a "work program" under GATT aimed at reducing these subsidies within a specific time frame. However, the EEC delegation stubbornly refused even to discuss the question of subsidies or to agree to later discussions aimed at their reduction.

Clearly, the prospect of reaching a fair, rational agreement has gone by the board. Let me state at the outset, though, that we must in no way engage in the kind of protectionism that constitutes restraint of trade. Nobody in Congress rejects protectionism more than I do.

What Congress must do is take firm steps to bring an end to the current situation. I have suggested four steps we could take to tighten the screws on the EEC.

First, the Reagan Administration should fully use the remaining $90 million earmarked for agricultural export enhancement in fiscal 1983 and made available by an amendment to the 1982 Budget Reconciliation Act. The money can provide direct and credit subsidies to offset predatory practices.

Second, Congress should encourage Agriculture Secretary John Block to consider releasing surplus dairy products into international markets. This would clearly signal our resolve and relieve the taxpayer of the cost of carrying these stocks.

Third, Congress should mandate that the proceeds from the sale and money from other sources be used for additional measures to export farm products.

Fourth, Congress should consider revoking the most-favored-nation trading status of countries engaging in predatory practices, or making them ineligible for International Monetary Fund loans.

I know other senators have other ideas for increasing our exports. I have instructed the staff of the Agriculture Committee, of which I am chairman, to assemble a comprehensive package of ideas which could be introduced in the 98th Congress. We must be prepared to draw the line here and fight fire with fire. I hope it won't be necessary, because there are no winners in a brawl, economic or otherwise.

Sen. Jesse Helms
R-N.C.

Farm Calendar

Saturday, Jan. 29

York County 4-H Beef Banquet, 7 p.m., Seven Valleys Fire Hall.

New Jersey Dairy Goat binge.

Monday, Jan. 31

Chester County Extension annual meeting, 7:30 p.m., Extension Meeting Room, Dague Ag and Natural Resources Center, West Chester.

Cambria County Crops Day, 9:30 a.m. - 3:30 p.m., United Methodist Church, Ebensburg.

Tuesday, Feb. 1

Pennsylvania Farmers Union convention, Hotel Hershey, continues tomorrow.

Farm Computerization Symposium, 9 a.m., Lancaster Farm and Home Center.

38th Annual Pa. Nurserymen and Allied Industries Conference, continues through Thursday, Penn State.

Dairy Breeding Course, 7:45 p.m., Ephrata High School Ag Dept.

Wednesday, Feb. 2

Lancaster Conservation District, 7:30 p.m., Farm and Home Center.

Kent County, Md., Herd Health Panel, Chestertown, Md.

Farm Computerization Symposium, Embers Restaurant Carlisle, 9 a.m.

Somorset Co., N.J., Small Farmers Course, 7:30 - 9:30 p.m., Bridgewater, N.J., 4-H Center.

Clearfield County Farm Financial Training, Holiday Inn, DuBois.

Berks Hydroponic Growers Seminar, 9:30 a.m. - 4 p.m., Ag Center, Leesport.

Eastern Lancaster County Adult Farmer Beef Management meeting, 7:30 p.m., Union Grove Alternative School, Terre Hill.

Thursday, Feb. 3

Delmarva Corn & Soybean Technology Conference, Wicomico Youth and Civic Center, Salisbury, Md., 8:30 a.m. - 3:30 p.m.

Adams County Vegetable Production Meeting 9 a.m., Penn State Fruit Research Lab, Biglerville.

Adams County Dairy Marketing Workshop, 7:30 p.m. Vo-Ag Room, Gettysburg High School.

Lancaster 4-H Beef and Sheep Club annual awards banquet, 6:30 p.m., Farm and Home Center.

Friday, Feb. 4

Lancaster Pork Producers annual banquet, Harvest Drive Restaurant.

Saturday, Feb. 5

Ephrata Young Farmer Banquet, Durlach-Mt. Airy Fire Hall, 6:45 p.m.

Now is the Time

(Continued from Page A10)

and explained. By so doing, you can qualify to receive an update training certificate which in turn will get you a license/permit renewal.

During the wintertime a number of meetings are held by Extension and agribusiness. These are ideal times and places to receive your update training certificate to be sent in to the Pennsylvania Department of Agriculture when requested to do so.

Do not miss the opportunity to get yourself updated well BEFORE your license/permit expires.

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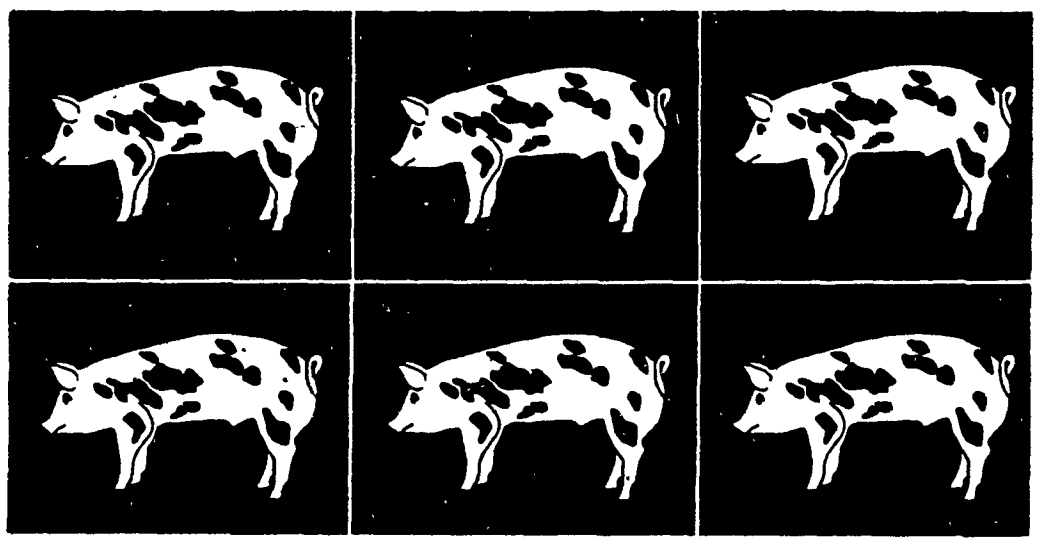

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Livestock market and auction news

Central U.S. Carlot

Wednesday, Jan. 26
Report supplied by USDA

Compared to Tuesday's 4:00 p.m. report: Choice steer and heifer carcasses steady, good steady to $1.00 higher. Demand and trading light to moderate on moderate supplies.

The gross boxed beef carcass cutout value declined $1.08 to an estimated $100.06 per cwt.

Sales reported on 78 loads of steer and heifer carcasses.

STEER BEEF
39 Loads
FOB Omaha Basis

Choice 3 600-900 lbs. 93.00-94.00, steady.

Choice 4 600-900 lbs. 87.00.

Good 2-3 600-900 lbs. 90.00-91.00, 1.00 higher.

Choice 2-3 600-900 lbs. 87.00 Hols type, steady.

Good 2-3 600-900 lbs. 84.00 Hols. type steady.

FOB Amarillo Basis

Good 2-3 600-900 lbs. 90.00.

HEIFER BEEF
39 Loads
FOB Omaha Basis

Choice 3 550-700 lbs. 92.00, steady.

Choice 3 500-550 lbs. 90.00.

Choice 3 400-500 lbs. 88.00

Choice 4 500-700 lbs. 87.00, steady.

Good 2-3 550-700 lbs. 88.00-89.00, steady to 1.00 higher.

Good 2-3 500-550 lbs. 84.00.

FOB Amarillo Basis

Choice 3 550-700 lbs. 92.00.

Choice 3 550-700 lbs. 92.00.

COW BEEF
5 Loads

Couple sales 1.00-3.00 higher. Demand moderate to good for light supplies.

FOB Omaha Basis

Bng Utlty 2-3 400/up lbs. 75.00-77.00 (Midwest).

FOB Amarillo Basis

Bkrg Utlty 3-4 450/up lbs. 70.50 (West).

BULL BEEF
1 Load
FOB Omaha Basis

Bull 1-2 500/up lbs. 86.00 (West).

PRIMAL BEEF CUTS
Good and Choice
1 Load
FOB Omaha Basis

Short Plates 52.00

BONELESS PROCESSING/ BEEF TRIMMINGS
67 Loads
FOB Omaha Basis

90% Chem lean Fresh 112.00-114.00, mostly 113.00.

90% Chem Lean Frozen 112.50.

85% Chem Lean Fresh 106.00.

50% Chem Lean Fresh 48.00-50.50.

50% Chem Lean Frozen 49.00.

FOB Amarillo Basis

85% Chem Lean Fresh 105.00-106.00.

50% Chem Lean Fresh 49.00.

Compared to Tuesday's 4:00 p.m. report: Loins steady to weak. Boston Butts 1.50-2.00 lower. Hams steady to .50 higher late. Couple loads of bellies steady. Trading slow on other items, with light demand for moderate offerings.

Sales reported on 53 loads and 6 loads of trimmings.

FRESH PORK CUTS

LOINS: Regular - 14-17 lbs. 114.00-118.00, mostly 116.00-116.50 weak; 17-22 lbs. 113.50-115.00, late 113.50 steady.

PICNICS: 4-8 lbs. 62.00, steady.

BOSTON BUTTS: 4-8 lbs. 84.50-86.50 1.50-2.00 lower.

SPARERIBS: 3.5/on lbs. 135.00-136.50 (Frozen); 5.5/up lbs. 75.00 (Frozen).

SKINNED HAMS: 14-17 lbs. 86.00, steady; 17-20 lbs. 83.00-85.50, late 85.50, .50 higher late.

BELLIES (Sdls, Skin On): 12-14 lbs. 83.00, steady; 14-16 lbs. 83.00.

BONELESS PROCESSING/ PORK TRIMMINGS
(Chemical Lean)

42% trimmings fresh 48.00-49.00.

42% trimmings frozen 48.00.

72% Bnls Pics fresh 87.00.

Belknap Auction

Dayton, Pa.
Wednesday, Jan. 26
Report supplied by PDA

CATTLE 119. Compared with last Wednesday's market, slaughter cows mostly steady. One Standard slaughter steer at 47.00. One Choice slaughter heifer at 57.00, one Good at 50.75, few Standard 42.25-47.00, few Utility 39.25-42.00. Utility & Commercial slaughter cows 39.50-43.50, couple 44.50 and 44.75, cutters 36.50-40.75, Canner & Low Cutter 30.25-36.75. Yield Grade #1 (few) 1135-1520 lbs. slaughter bulls 46.00-52.75. Few Medium Frame #1 300-615 lbs. feeder steers 53.00-60.00; Medium & Large Frame #1 310-620 lbs. feeder heifers 42.00-51.25, few 640-800 lbs. 34.50-42.00.

CALVES 53. Few Choice vealers 90.00-97.00, few Good 80.00-84.00, Standard & Good 90-110 lbs. 50.00-59.00, 60-90 lbs. 40.00-55.00. Farm calves, holstein bulls 95-125 lbs. 61.00-70.00; few holstein heifers 80-120 lbs. 58.00-73.00.

HOGS 144. Barrows & gilts 50 cents to 75 cents higher. US No. 1-2 210-240 lbs. barrows & gilts 58.50-59.75, No. 1-3 200-245 lbs. 57.00-58.50, few No. 2-3 240-265 lbs. 54.50-56.00. Sows $2.50 to $3 higher. US No. 1-3 230-470 lbs. sows 50.00-57.25. Boars 43.00-45.00.

FEEDER PIGS 32. US No. 1-3 35-45 lbs. feeder pigs 35.00-48.50 per head, one lot No. 1-3 65 lbs. 55.50, one lot No. 1-3 25 lbs. 30.00 per head.

SHEEP 3. One small lot Utility 45 lbs. wooled slaughter lambs at 35.00.

Belleville Auction

Belleville, Pa.
Wednesday, Jan. 26
Report supplied by PDA

CATTLE 135: Compared with last Wednesday's market, slaughter cows about steady. Few Utility & Standard slaughter steers 43.00-50.25. One Standard slaughter heifer at 51.50. Utility & Commercial slaughter cows 38.50-42.25, couple to 45.60, Cutters 38.00-40.00, Canner & Low Cutter 35.00-38.00, Shells down to 30.50. Few Yield Grade #1 1135-1395 lbs. slaughter bulls 43.85-50.25, one 2450 lbs. at 55.85.

CALVES 180: Few Choice vealers 80.00-94.00, few Good 65.00-75.00, Standard & Good 70-100 lbs. 51.00-58.00, Utility 50-85 lbs. 40.00-50.00. Farm calves, holstein bulls 90-125 lbs. 57.00-90.00.

HOGS 221: Barrows & gilts .50 higher. US No. 1-2 210-235 lbs. barrows & gilts 59.50-60.50, No. 1-3 200-255 lbs. 59.00-59.85. US No. 1-3 370-600 lbs. sows 47.00-51.25. Boars 38.00-40.00.

FEEDER PIGS 449: US No. 1-3 20-35 lbs. feeder pigs 38.00-45.00 per head, No. 1-3 35-50 lbs. 41.00-52.00, No. 1-3 60-80 lbs. 53.00-58.50 per head.

SHEEP 14: Few Good & Choice 75-95 lbs. wooled slaughter lambs 53.00-58.00, one at 65.00. Few Slaughter ewes 17.00-37.00.

GOATS 7: Few 15.00-44.00 per head.

Holstein Dairy Cows $550.00 to $1100.00 per head.

East Coast Carlot

Wednesday, Jan. 26
Report supplied by USDA

Compared to Tuesday's close: Prime special fed veal mostly 2.00 to 3.00 lower. Good and Choice boning veal 2.00 to 4.00 higher; no inshipped veal reported.

VEAL CARCASS
Prime (Special Fed)
Hide On [illegible] Head

220-280 lbs. 185.00-186.00, few 192.00, mostly 2.00-30.00 lower.

Good & Choice
Boning Type
Hide On

Northeastern Suppliers: 65-75 lbs. 88.00-92.00, all 2.00-4.00 higher; 55-64 lbs. 86.00-90.00; 45-54 lbs. 84.00-88.00; 35-44 lbs. 82.00-86.00; 34 lbs. down 80.00-84.00.

Inshipped: No sales reported.

LAMB CARCASS
Choice & Prime 3-4

No sales reported.

CURED AND PROCESSED MEATS
5 Loads

Compared to last week; no recent test steady.

Skinned Hams 16-20 lbs. 95.00; Picnics 5-7 lbs. 75.00, steady.

Greencastle Livestock

Greencastle, Pa.
Monday, Jan. 24
Report supplied by Auction

CATTLE: Butcher Steers, Choice up to 62.00; Medium-Good, 48.00-58.00; Butcher Heifers, Medium-Good 41.00-57.00; Butcher Cows - Utility - Good 39.00-45.00, Canners and Cutters 36.00-43.00/ Shells down to 31.00; Butcher Bulls Medium-Good 44.00-57.00; Stock Steers, Medium-Good up to 67.00; Stock Heifers, Medium-Good up to 56.50.

CALVES: Medium-Good Calves 160-220 lbs. 70.00-98.00; Medium-Good Calves 125-160 lbs. 60.00-90.00; Medium-Good Calves 100-120 lbs. 55.00-70.00; Medium-Good Calves - 80-100 lbs. 45.00-60.00; Holstein Bull Calves up to 94.00; Holstein Heifer Calves up to 95.00; Light and Green Calves down to 30.00.

HOGS: Good-Choice Butcher Hogs 190-225 lbs. 54.00-58.50; Good-Choice Butcher Hogs 225-250 lbs. 58.50-58.75; Good-Choice Butcher Sows 400 lbs., down up to 51.00; Good-Choice Butcher Sows 400 lbs., up up to 53.50; Heavy Boars up to 41.50. Pigs - Per Head 31.00-40.00.

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Livestock market and auction news

Chambersburg Auction

Chambersburg, Pa.
Thursday, Jan. 27
Report supplied by PDA

CATTLE 416. Compared with last Thursday's market: Slaughter steers .50-1.25 higher. Slaughter cows steady to 1.00 lower; Choice No. 2-4, 975-1350 lbs. 58.35-62.75; Good 55.00-57.50; Standard 50.00-54.50; Utility 41.75-50.75. Slaughter heifers - Choice 55.00-60.00, one at 61.25; Good 50.75-55.00. Slaughter cows - Utility & Commercial 40.00-44.25, couple 45.60; Cutters 38.85-41.50; Canner & Low Cutter 35.00-38.85; Shells down to 30.75. Slaughter bullocks - one Choice 57.50; Good 49.75-55.00; Couple Standard 49.00 & 49.50. Slaughter bulls - Yield Grade No. 1 1000-1985 lbs. 45.00-53.00, couple to 55.00.

FEEDER CATTLE: Steers, few medium frame No. 1 300-700 lbs. 52.50-62.00. Heifers, medium frame No. 1, 350-825 lbs. 45.50-54.50.

CALVES 458: One Prime at 119.00; Choice 83.00-106.00, one at 117.00; Good 70.00-83.00; Standard & Good 70-100 lbs. 57.00-65.00; Utility 60-85 lbs. 40.00-55.00.

FARM CALVES: Holstein Bulls 90-125 lbs. 67.00-90.00, couple to 94.00; Holstein Heifers 85-140 lbs. 65.00-96.00, couple to 105.00.

HOGS 45: One lot US No. 1-2 212 lbs at 59.25; one lot No. 1-3 250 lbs. at 59.35; US No. 1-3 300-625 lbs. 48.00-56.00. One Boar at 38.75.

FEEDER PIGS 34: US No. 1-3 20-35 lbs. 25.00-31.00; one lot 40 lbs. at 42.00 per head.

SHEEP 10: Couple Choice 85 lbs. at 60.00; few slaughter ewes 18.00-25.00.

GOATS: 3.

Westminster Livestock Auction

Westminster, Md.
Tuesday, Jan. 18
Report supplied by auction

BUTCHER COWS: Very active. $2 higher! High Yield 42.00-44.00; Standard & Utility 39.00-42.00; Canners 37.00-40.00; Shelly 37.00 Down. Slaughter Bulls- Good heavy weights 52.00-53.75, medium 50.00-51.00; Fed Steers- Choice 900-1000 lb. 59.00-61.50; Good & Low Choice 44.00-59.00; Holsteins good to 54.00; Standard 47.00-50.00. Fed Heifers- Few Low Choice to 54.25.

BUTCHER HOGS: Steady prices. US #1-3 215-240 lb. 56.60-56.75; 240-260 lb. 1 lot to 56.50. Sows-350-675 lb. 49.00-51.00; Thin 275-400 lb. 41.00-46.00; Boars- 470-685 lb. 41.00-42.50.

VEAL CALVES: Very active. $5.00 to $8.00 higher. Choice 90.00-97.00; Good 75.00-90.00; Standard 60.00-75.00; Killers 80-100 lb. 50.00-60.00; Weak & Rough 50.00 Down.

CALVES RETURNED TO FARM: Strond demand $20.00 higher! Holstein Heifers 100-120 lb. to 78.00; Holstein Bulls 100-120 lb. 80.00-101.00. mainly 90.00 to 100.00.

STOCK CATTLE: Small run. Steers- 300-600 lb. Choice few to 64.00; 700-900 lb. Choice 56.00-58.00; Good 53.00-56.00; Holsteins 45.00-48.00; Heifers- 300-700 lb. Choice 52.00-54.00; Good 48.00-52.00.

PIGS AND SHOATS: Scarce! By the head- 30-60 lb. (small lots) 30.00-41.00. By the lb. 108-165 lb. 57.00-58.50.

G & M Livestock

Duncansville, Pa.
Monday, Jan. 24
Report supplied by auction

SLAUGHTER CATTLE: Steers choice 58.00-61.00; Good 54.00-58.00; Standard 50.00-54.00; Utility 46.00-50.00. Heifers choice 55.00-59.00; Good 50.00-55.00; Standard 46.00-50.00; Utility 42.00-46.00. Cows choice 44.00-46.00; Good 42.00-44.00; Standard 40.00-42.00; Couple 47.50-50.50; Utility 38.00-40.00; Cutters 34.00-38.00; Canners down to 30.00. Bulls 11-16 lbs. 50.00-56.50; 900-1100 lbs. 48.00-54.00.

FEEDER CATTLE: Steers choice 300-600 lbs. 52.00-62.00. Heifers choice 300-600 lbs. 48.00-56.00.

CALVES: Vealers prime and high choice 85.00-99.00; Good and Choice 70.00-85.00; Standard 50.10-70.00; Utility down to 30.00. Farm calves, Holstein bulls 90-120 lbs. 75.00-96.00; Heifers 90-120 lbs. 60.00-85.00.

HOGS: Barrows and gilts 200-240 lbs. 58.00-60.10; 170-300 lbs. 54.00-58.00. Sows 300-600 lbs. 50.00-56.00.

SHEEP: Slaughter lambs 80-110 lbs. 50.00-64.00.

Joliet Cattle

Thursday, Jan. 27
Report supplied by USDA

Friday through Wednesday's salable receipts 2,900; 5 days last week 3,091; same period a year ago 3,349. Trading active for the week. Slaughter Steers ended the week mostly steady to .50 higher. Slaughter Heifers ended the week .50 higher. Cows closed the week 1.00 higher.

SLAUGHTER STEERS: mixed High Choice and Prime 3-4 1200-1350 lbs. 60.50-61.00 Monday; 60.75-61.50 Wednesday. Choice 2-4 1100-1400 lbs. 59.50-60.50 Monday; 59.50-61.00, mostly 60.00-60.50 Wednesday. Mixed Good and Choice 2-3 1050-1400 lbs. 58.00-59.50 Monday; 58.50-59.50 Wednesday. Package Choice 2-3 1400 lbs. Holsteins 51.50 Monday.

SLAUGHTER HEIFERS: Choice, few loads with a Prime end 2-4 900-1200 lbs. 58.50-60.00. Mixed Good and Choice 2-3 850-1050 lbs. 57.00-58.50. Good 2-3 850-1100 lbs. 55.00-57.00.

COWS: Cutter and Utility 1-3 36.00-38.50. Canner and Low Cutter 1-2 32.00-36.00 Monday.

Special Horse Sale

New Holland Sales Stables
Friday, Jan. 21
Report supplied by auction

353 head.

Work Horses

2 loads, Tn., pairs 2150.00 - 3250.00, singles 875.00 - 2000.00; Va. pairs 2050.00 - 3500.00, singles 975.00 - 1100.00; Mich. pairs 2100.00 - 2600.00, singles 650.00 - 1175.00; Ky. pairs 1925.00 - 3100.00, singles 875.00 - 1250.00; Ohio pairs 1050.00 - 1850.00, singles 700.00 - 1000.00; Pa. singles 700.00 - 1125.00; Iowa pairs 1575.00 - 2350.00, singles 675.00 - 1675.00; Ill. singles 750.00 - 850.00.

Mules

Tn. pairs 1500.00 - 3700.00; Ky. pairs 2000.00 - 3650.00, singles 1075.00 - 1525.00.

Driving

Ky. 800.00 - 1150.00; New Jersey 500.00 - 800.00; Ky. 775.00 - 1325.00.

Local

Driving 450.00 - 1600.00; Work paris 1600.00-3100.00; singles 600.00-1100.00; mules 400.00-1075.00.

New Holland Horse

New Holland Sales Stables
Monday, Jan. 24
Report supplied by auction

Reported receipts of 211 head of horses, mules, and ponies. Market: steady.

Local Better horses 450.00-650.00; Driving horses 300.00-700.00; Riding horses 300.00-425.00; Lightweight killers 325.00-450.00; Heavyweight killers 475.00-665.00; Mare ponies 45.00-75.00; Pony Colts 15.00-25.00; Geldings 45.00-75.00; Larger ponies 100.00-240.00.

ATTENTION - FARMERS

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Time: 7:30 P.M. - promptly

SECOND MEETING - TUES. EVE. FEB. 1st

SUBJECT: ALFALFA & SMALL GRAIN

SPEAKERS AND TOPICS

HERB COLE - Prof. of Plant Pathology, Penn State University
— 100 BU. WHEAT YIELDS —

JOHN YOCUM - Manager of Penn State Research Farm, Landisville
— ALFALFA MANAGEMENT —

BILL BRUBAKER - Organic Plant Food Co.

— MAKE PLANS TO GET TOP YIELDS OF SMALL GRAIN AND ALFALFA —

THIRD MEETING - TOBACCO
More information to be announced at preceeding meeting.
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* Call Prior to Meeting Would Be Appreciated But Not Necessary.

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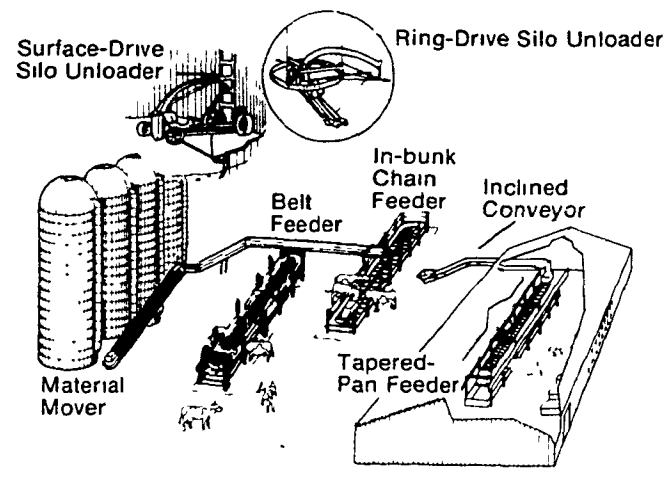

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Patz

Livestock market and auction news

Weekly Summary

Friday, Jan. 28
Report supplied by PDA

CATTLE: 5761. Compared with 4976 head last week, and 6066 head a year ago. Compared with last week's market: Slaughter steers uneven, Good & Choice steady to weak, Standard & low Good .50-1.50 higher; Sl. heifers 1.00-2.00 higher; Sl. cows & bulls mostly steady; Sl. bullocks 1.00 higher. Sl. steers: High Choice & Prime 61.50-64.00; Choice 58.00-62.50; Good 55.00-59.00; Standard 49.00-55.00. Sl. heifers: Choice 56.00-62.00; Good 51.00-57.50; few Standard 42.00-51.00. Sl. cows: Utility & Commercial 39.00-44.75; Cutters 37.00-41.00; Canner & L. Cutter 32.00-39.00; Shells down to 19.50. Sl. bullocks: few Choice 55.75-61.00; Good 51.50-58.00; few Standard 49.50-54.00. Sl. bulls: Yield Grade No. 1, 1200-2200 lbs. 48.00-55.00; Yield Grade No. 2 900-1400 lb. 45.00-50.00.

FEEDER CATTLE: Steers, few Medium & Large Frame No. 1, 400-700 lbs. 58.00-67.00; Medium Frame No. 1, 300-700 lbs. 53.00-60.00. Heifers Medium Frame No. 1, 350-700 lbs. 44.00-56.00.

CALVES: 3607. Compared with 3448 head last week and 3929 head a year ago. Vealers steady to 5.00 higher. Few Prime 103.00-128.00; Choice 90.00-112.00; Good 70.00-95.00; 90-110 lbs. 54.00-64.00; 70-90 lbs. 48.00-58.00; Utility 50-100 lbs. 30.00-50.00.

FARM CALVES: Hol. Bulls 90-130 lbs. 65.00-100.00; Hol. Heifers 90-125 lbs. 60.00-96.00.

HOGS: 6577. Compared with 6655 head last week and 7306 head a year ago. Barrows and gilts .50-1.50 higher. US No. 1-2 200-245 lbs. 58.50-61.00, No. 1-3 200-260 lbs. 57.00-60.00; No. 2-3 220-280 lbs. 53.50-57.00; few No. 1-3 150-180 lbs. 49.00-56.00; Sows steady US No. 1-3 300-600 lbs. 48.00-55.00; few No. 2-3 400-700 lbs. 44.00-50.00. Boars 38.00-45.00.

FEEDER PIGS 1346: Compared with 1013 head last week and 721 a year ago. Feeder pigs steady US No. 1-3 25-35 lbs. 20.00-43.00; No. 1-3 35-55 lbs. 35.00-60.00 per head.

SHEEP: 447. Compared with 453 head last week and 612 head a year ago. Wooled sl. lambs steady to strong. Choice 60-110 lb.s 53.00-65.00; few Good 50-100 lbs. 50.00-58.00. Sl. ewes 15.00-32.00.

3 GRADED FEEDER PIG SALES: 2280. Compared with 1896 head last week, and 2481 head a year ago. All sales by CWT. Feeder Pigs uneven, mostly 2.00-5.00 lower. US No. 1-2 20-40 lbs. 112.00-132.00, 40-50 lbs. 110.00-130.00, 50-60 lbs. 95.00-120.00, 60-70 lbs. 90.00-108.00; US No. 2-3 30-40 lbs. 110.00-121.00, 40-50 lbs. 100.00-110.00.

Leesport Auction

Leesport, Pa.
Wednesday, Jan. 26
Report supplied by PDA

CATTLE 339. Compared with last Wednesday's market, slaughter steers weak to $2 lower. Slaughter cows unevenly steady to weak. Slaughter bulls weak to $1 lower. Few High Choice & Prime 1100-1330 lbs. slaughter steers 61.50-63.75, Choice 950-1300 lbs. 58.00-61.50, few to 62.85, Good & Choice holsteins 1250-1500 lbs. 53.00-55.00, Good 53.00-60.10, mostly 56.00-59.00, Standard 51.00-55.25, Utility & Low Standard 47.25-50.00. Few Choice slaughter heifers 55.75-58.85, few Good 53.00-56.50, few Standard 40.00-52.25. Utility & Commercial slaughter cows 40.00-43.25, one at 44.60, Low Dressing 37.50-39.50, Cutters 38.50-40.50, Canner & Low Cutter 35.00-38.00, Shells down to 32.00. Good slaughter bullocks 56.10-60.00, Standard 51.85-54.25. Yield Grade #1 1200-2100 lbs. slaughter bulls 52.85-58.00, few to 61.50. Large Frame #1 600-750 lbs. feeder steers 57.50-66.00, one lot Medium Frame #1 425 lbs. at 64.50.

CALVES 125. Vealers grading Standard & Low Good $3 to $6 higher. Few Choice vealers 109.50-115.00, Good 85.00-98.00, few Standard & Good 110-125 lbs. 71.00-88.00, 90-110 lbs. 53.00-60.00, 70-90 lbs. 50.00-57.00, Utility 50-75 lbs. 30.00-45.00. Farm calves, holstein bulls 90-130 lbs. 70.00-89.00, few down to 60.00; few holstein heifers 90-110 lbs. 59.00-72.00.

HOGS 330. Barrows & gilts 25 cents to $1 higher. US No. 1-2 205-245 lbs. barrows gilts 59.00-60.25, few to 62.60, No. 1-3 1975-270 lbs. 58.00-59.85, few to 60.50, few No. 1-3 185-190 lbs. at 58.00. Sows $1 to $2 higher. US No. 1-3 290-550 lbs. sows 50.00-52.50, few to 60.00, few No. 2-3 320-520 lbs. 45.00-49.75, Medium 275-415 lbs. 40.50-49.50. Few Boars 42.00-43.00, Light weights 49.00-53.00.

FEEDER PIGS 182. US No. 1-3 20-55 lbs. feeder pigs 114.00-145.00, mostly 121.00-135.00 cwt., few No. 1-3 75-85 lbs. 83.00-90.00, few Utility 20-30 lbs. 95.00-100.00 cwt.

SHEEP 47. Few Choice 35 lbs. new crop lambs 115.00-120.00, few 75-90 lbs. 69.00-89.00, few Choice 90-100 lbs. wooled slaughter lambs 57.00-60.00. Slaughter sheep 24.00-29.00.

GOATS 21. Large Adult Goats 36.00-46.00, small Goats 25.00-36.00, few small kids 16.00-22.00 per head.

North Jersey Livestock

Hackettstown, N.J.
Tuesday, Jan. 25
Report supplied by auction

1047 head.

Calves 30.00-101.00; Cows 34.75-45.25; Easy Cows 25.00-38.75; Heifers 34.75-56.00; Bulls 35.50-53.50; Steers 42.00-56.00; Hogs 45.00-60.00; Roasting Pigs, each 3.00-41.00; Kids 5.00-45.00; Boars 44.00; Sows 48.00; Sheep 17.00-46.00; Lambs, each 16.00-70.00; Lambs per lb. 33.00-75.00; Goats, each 15.00-62.00; Hides 6.00-13.00.

Role of gov't in market economy

AMES, Iowa — "Role of Government in a Market Economy," just published by the Iowa State University Press, contains seven lectures by internationally known economists and agricultural economists discussing the role of a market economy, the evolution of that role over time, imperfections in the United States economy, and appropriate policy actions for dealing with those imperfections.

Originally delivered as part of the Norton Lecture Series at the University of Illinois, Urbana, the lectures in this book cover the changing role that government plays in organizing agricultural markets. Lowell D. Hill, editor, says, "The economic impacts of government's activities and regulations in agriculture are not well understood. Each of the individual authors presents a point of view trying to identify what they consider to be the appropriate role of government."

The book begins with a historical review of the definition of markets and the functions that markets perform. Written by Harold F. Breimyer, this lecture also identifies some of the structural changes that have taken place in agricultural markets, their causes, and the direction of future changes. Lecture two, by Lowell D. Hill, identifies an approach for evaluating the performance of market systems with different degrees of government involvement in marketing.

It continues with John Kenneth Galbraith examining the economic environment in which agricultural markets operate - the fiscal and monetary policies and changing work ethic in the United States that limit the ability of the market to respond to supply and demand. Following the Galbraith lecture, Willard F. Mueller identifies the distortions of the market caused by market power of large firms and suggests alternatives in antitrust policies that can keep the market system operating.

"Role of Government in a Market Economy" continues with a lecture by Theodore W. Schultz. He describes the strengths and weaknesses of the market and separates the objectives of society that can best be met by a free market from those that must be left to government agencies. Then, D. Gale Johnson looks at United States exports and world trade and how they have been influenced by government actions. The final lecture by Bruce Gardner looks more specifically at agricultural policies in the 1980's and their relationships with the macroeconomics of the Reagan administration.

Editor Hill is L. J. Norton Professor of Agricultural Marketing at the University of Illinois, Urbana. Each of the other authors is well known throughout the agriculture and economics professions.

Academicians and agricultural industry and policy personnel, as well as the general public, will find this book of interest. It will also be useful as supplemental reading in policy courses and broadbased marketing courses. The book is now available through bookstores or from the Iowa State University Press. (1982, 102 pp., cloth, ISBN 0-8138-1576-2. $12.95. Publisher requests that $1.00 per book be added to the price of the book to cover mailing costs. For further information call 515/294-5280.)

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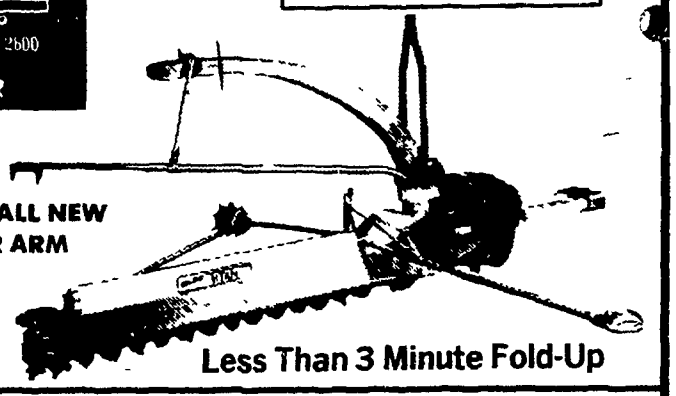

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USDA grows strawberries in test tubes

BELTSVILLE, Md. — Strawberry plants are rejuvenated by propagation in test tubes, according to USDA researchers, Gene Galletta and Richard Zimmerman. Propagation in laboratory tissue culture increases strawberry yields, and the berries taste as delicious as fruit produced by conventional methods.

Although tissue-culture propagation has been practiced in Europe for several years, until now it had not been tested with U.S. varieties. Galletta and Zimmerman of USDA's Agricultural Research Service, working with Harry J. Swartz at the University of Maryland, demonstrated last year that the technique stimulates yield increases for strawberries varieties 'Earliglow,' 'Redchief,' and 'Guardian,' which are widely grown in the U.S.

This research was awarded the George M. Darrow Award for excellence in viticulture and small fruits research. The award was presented on August 12, at the American Society for Horticultural Science meeting at Iowa State University, Ames, Iowa. A paper describing the research, "Field Performance and Phenotypic Stability of Tissue Culture-Propagated Strawberries," was published in the September, 1981, edition of the Journal of the American Society for Horticultural Science.

Strawberries are usually propagated by cutting runners and rooting them, said Galletta. A high-yielding plant will produce 100 new plants in a year.

Now a small piece of a strawberry plant, grown by tissue culture, can produce six shoots in only three weeks. Then each shoot, when transferred into another tissue-culture flask, produces three to six more shoots in the next three-week period. In tissue-culture flasks the plants are furnished vitamins, minerals, and hormones that stimulate growth.

"With tissue culture, theoretically, you can get a million new plants in a year," said Galletta.

In a side-by-side comparison, the researchers tested strawberry plants from tissue culture and from runners. They grew the plants in matted rows in which plants were set out four feet apart and allowed to fill in the two-feet-square beds.

The first year, the tissue-cultured plants produced 50 percent more runners in the field than plants from runners. The tissue-cultrued plants also produced 24 percent more strawberries, Galletta said.

Although the fruit from the tissue-cultured plants are smaller, the berries were otherwise normal. They had the same taste, shape, color, and texture as fruit grown by conventional methods. And the tissue-cultured plants were more uniform and survived better in the field, Zimmerman found.

Tissue-cultured strawberries cost more than plants produced from runners, which may discourage some growers from using them. But nurseries are likely to profit from this new technique, since the invigorated, tissue-cultured plants produce more runners in the first year, Galletta said. Nurserymen, therefore, could provide more plants to growers.

When runners from tissue-cultured plants are transplanted in their second year, they produce the same number of runners as plants grown by conventional methods. So the use of tissue-cultured plants by nurserymen would not affect the density of plants in the growers' fields.

THINK AHEAD...
Read Futures Markets on Page 3.

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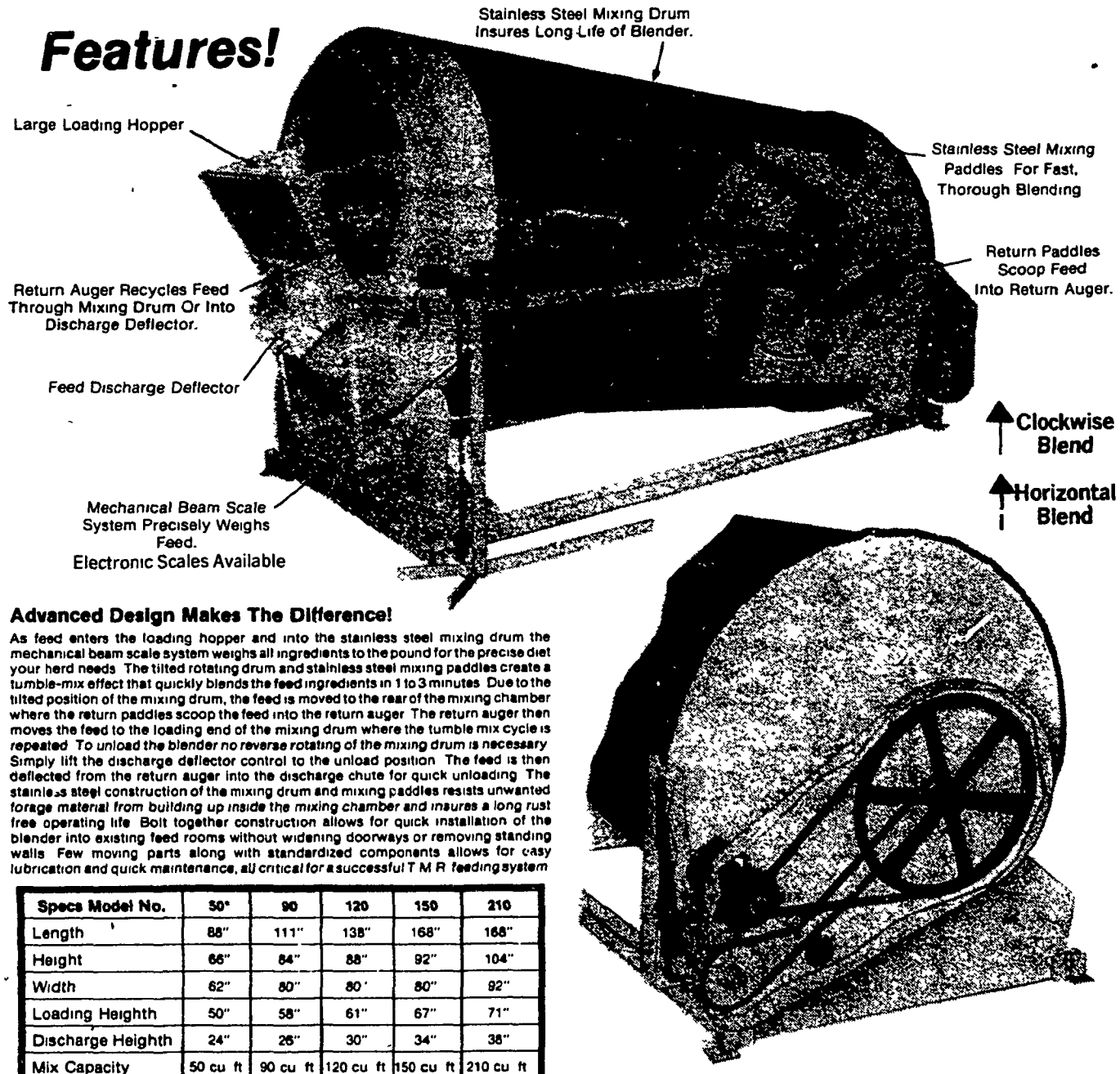
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Mix Capacity	50 cu ft 37 bu	90 cu ft 68 bu	120 cu ft 90 bu	150 cu ft 112 bu	210 cu ft 158 bu
At 25 lbs per Cu. Ft	1250 lbs	2250 lbs	3000 lbs	3750 lbs	5250 lbs
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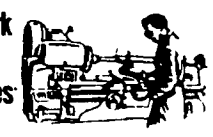

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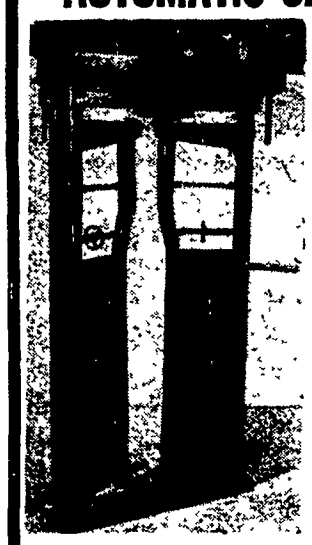

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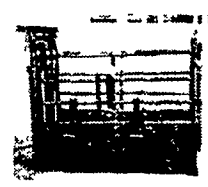

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Developing super sire follows complex path

DE FOREST, Wisc. — A.I. organizations participate in a highly competitive industry where success depends on having the most of the best. This, and the fact that selection techniques have become more and more sophisticated, has resulted in the genetic worth of dairy bulls, used in A.I., being improved at a constantly increasing rate over the past several years.

American Breeders Service, with facilities at DeForest, Wisc. and Wellington, Col., got an early start by initiating a program of sire development and testing with Holsteins in 1962.

It all begins with the "Elite Cow List" published twice each year by the USDA. This report lists the registered Holstein cows that rank in the top two percent of the breed in terms of their ability to produce milk. The staff responsible for sire development at ABS screens this list and selects a number of cows that meet their standards for production. Type traits are examined from classification information published by the American Holstein Association.

Finally, a visit is made to the herds in which the cows that have survived this initial selection, are maintained. Each cow is inspected and if approved, an agreement is made with the owner to mate her to one of the breed's top bulls, proven through wide use in A.I.

If a bull calf results from this mating, he goes to ABS... usually at four to six months of age. After 60 days of quarantine and about the time he reaches puberty, he is moved to the Adolescent Barn to begin his Progeny Test.

Although each bull is the result of a very carefully planned mating with both his sire and dam representing the top one to two percent of the breed's population, he has to prove himself before being entered into regular A.I. use. To get such proof, the first 700 units of semen he produces are distributed to about 85 of the 1,000 test herds located throughout the United States, that are associated with ABS in the New Generation Herd Program.

The herd participating in this program are well managed, with production equal to or above average for their state. They must be an official DHI with records used in the USDA Sire Summaries. Herd managers agree to breed 30 percent of the herd to Progeny Test bulls on a random basis and report calving ease and identification information for all calves born in the herd, to ABS.

Several benefits accrue to the herd owner for participating in the New Generation Herd Program:

(1) Each unit of Progeny Test semen used has the potential of earning $15.00 worth of ABS products and services.

2) Professional evaluation of the functional type traits is provided on each cow in the herd.

3) Computerized mating recommendations are provided for each cow, in order that those not caught up in the randomized sampling of the Progeny Test bulls can be bred to the bull most likely to improve her specific weaknesses.

4) These herds ahve priority access to semen from recommended mating bulls that are otherwise unable to keep up with day to day demand.

5) Accurate identification of milking cows.

6) Simple, complete calving records for all cows.

7) Ownership of the first daughters of some of tomorrow's great bulls.

ABS enters over 150 Holstein bulls on test each year. After these young bulls have produced sufficient semen for their Progeny Test, they are moved in groups, to rearing barns at either DeForest, Wisconsin, or Wellington, Colorado, to begin an approximately four year waiting period. It takes this long for their daughters born in the test herds, to be reared to puberty, bred, freshened, and milked through their first lactations.

No semen is collected during this time. The bulls are maintained in loose housing, with a minimum of labor required for their proper care.

After the U.S. Department of Agriculture has collected and compiled production data on the daughters of these bulls (by this time the bulls are five to six years of age) it is reported in the Sire Summary. On the basis of this information, plus data that has been gathered as to the type traits of the daughters, a decision is made as to which bulls are placed in regular semen production.

Selection standards are such that only one out of seven joins the ranks of the "Genetic Harvest" bulls, the others go directly to slaughter.

This Progeny Test program, which began with Holsteins, was later adapted to include the other dairy breeds. Through it, genetic improvement has accelerated to the point where bulls, considered to be all stars just five years ago, would now be unable to make the lineup.

Limousin Breeders elect officers

DENVER, Col.—The North American Limousin Foundation elected officers and appointed new board members at its annual business meeting and open board meeting, held last Tuesday at the National Western Stock Show.

The new officers are Herman Symens, Amherst, S.D., president; Jim Davidson, Shepherd, MT, vice president; Jerry Robbe, Pueblo, CO, secretary; Bob Yackley, Onida, SD, treasurer; Gene Raymond, Garnett, KS, member-at-large; and Don Faidley, Colfax, IA, ex-officio.

Limousin members elected the following directors to new terms: Carl Johnson, Brandon, FL; Wyman Poe, Konawa, OK; Jim Fawley, Lynchburg, OH; Jim Davidson, Shepherd, MT; and Vernon Holcomb, Stanton, TX.

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"Energy Capabilities and Opportunities" a 1981 report from Science and Education Administration of USDA gives the breakdown of food system energy inputs as a percent of natonal energy consumption:

- Agricultural production, 2.9 percent;
- Agricultural Processing, 4.8 percent;
- Transportation & distribution, 1.7 percent; and
- Preparation, consumption, rural living, 7.1 percent.

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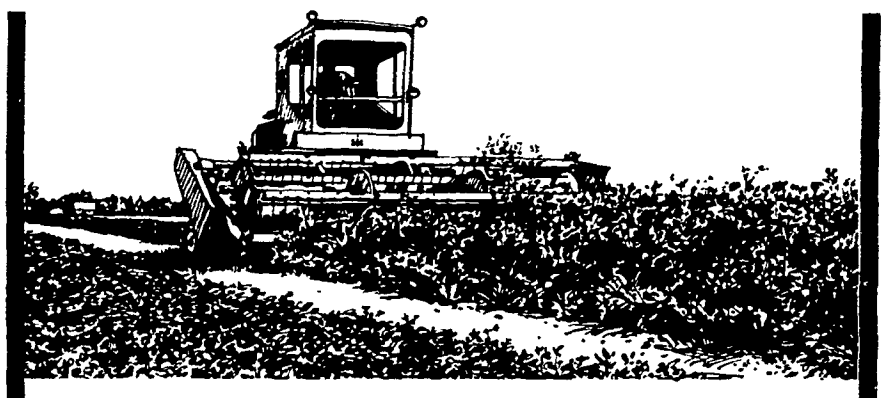

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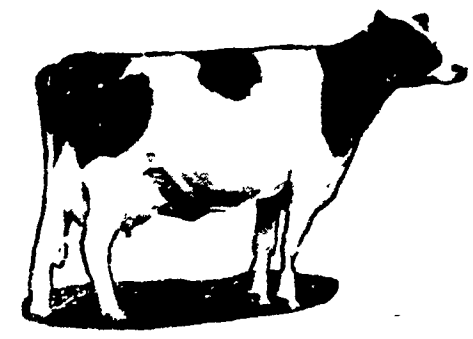

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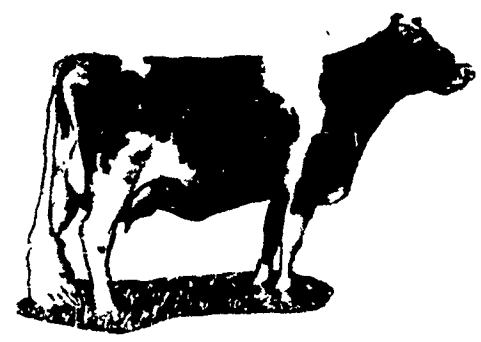

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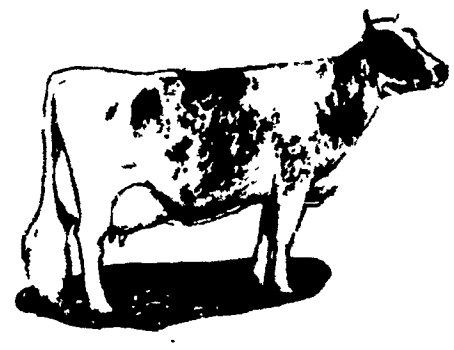

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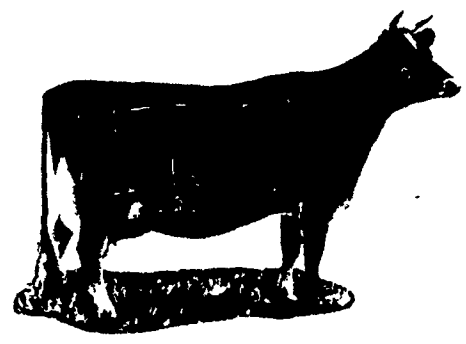

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Check for $2,000 is presented by John R. Zimmerman, chairman of community services, center, and Clark Stauffer, retiring president of the Ephrata Area Young Farmers Association to the Rev. D. Paul Greene, of the Ephrata Area Social Services.

Ephrata YF aids community

EPHRATA — A $2,000 check has been presented by the Ephrata Area Young Farmers to the Ephrata Area Social Services to be used to alleviate hunger and suffering.

The check was presented to the Rev. D. Paul Greene, Social Services board member, by Clark Stauffer, retiring Young Farmer president; and John R. Zimmerman, chairman of community service.

It is one of the largest contributions ever made to the Social Services.

The Social Services conducts a variety of relief projects in the Ephrata area, including the purchase of heating oil for needy aged and families with small children.

The funds are raised by the Ephrata Area Young Farmers Chapter at its food stand at the Ephrata Fair.

Consider financial benefits of feeding soybeans to cattle

NEWARK, Del. — University of Delaware Extension dairy specialist George Haenlein uses a formula that helps farmers decide whether to sell their soybeans or feed them to cattle (beef, veal or dairy).

Soybeans are as high in protein as many commercial supplements, Haenlein says, and their oil content provides needed energy. However, raw soybeans contain enzymes that can cause digestive upset when eaten in quantity. A few pounds of beans in the ration won't cause any ill effects, Haenlein says, but if they are to be a major component (10 percent or more of the ration) they should be roasted to destroy the offending enzymes.

Several Pennsylvania companies roast soybeans for about 85 cents per hundred pounds. If a farmer used 20 percent roasted soybeans in a grain ration, the cost of the roasting would amount to only $3.50 per final ton. Depending on the price of commercial feed supplements and the price the farmer could get by selling the beans, that could be $3.50 well spent.

Sometimes, though, it may benefit a farmer to sell the soybeans and buy back soybean oilmeal or other commercial feeds. Since soybean oilmeal is what remains after the oil has been removed from the beans, it has a higher percentage of protein than whole beans, but provides less energy. The farmer would then have to use supplemental energy sources such as corn.

The formula Haenlein recommends considers both the energy and protein requirements of cattle. It is based on the average nutritional protein requirements of cattle. It is based on the average nutritional values of corn and soybeans. It allows growers to compare the value of their beans as part of a balanced ration with what they would make by selling the beans and buying feed.

First, multiply the present price the farmer could get for 100 pounds of corn by 0.352 in order to find the nutritional price of energy.

Next, multiply the price of 100 pounds of soybean oilmeal by 0.746 to find the nutritional price of protein.

Add the two results to determine the total value for raw soybeans as a source of nutrients.

then add 85 cents (the price of roasting) to determine the final value for roasted beans.

If this is greater than the price of a comparable alternative feed in the store, the farmer has a better opportunity to make money by selling his beans. When soybean prices are low, the farmer will usually be better off by feeding his beans to cattle.

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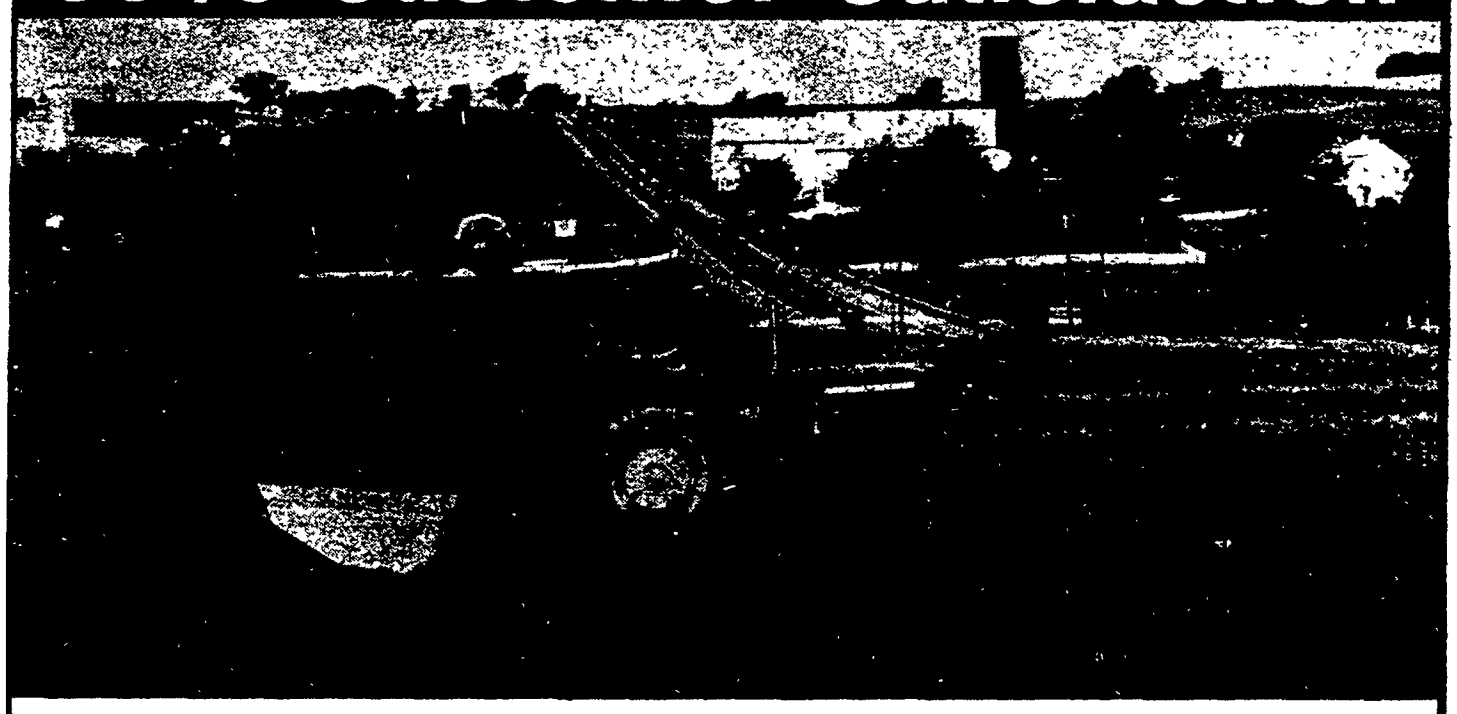

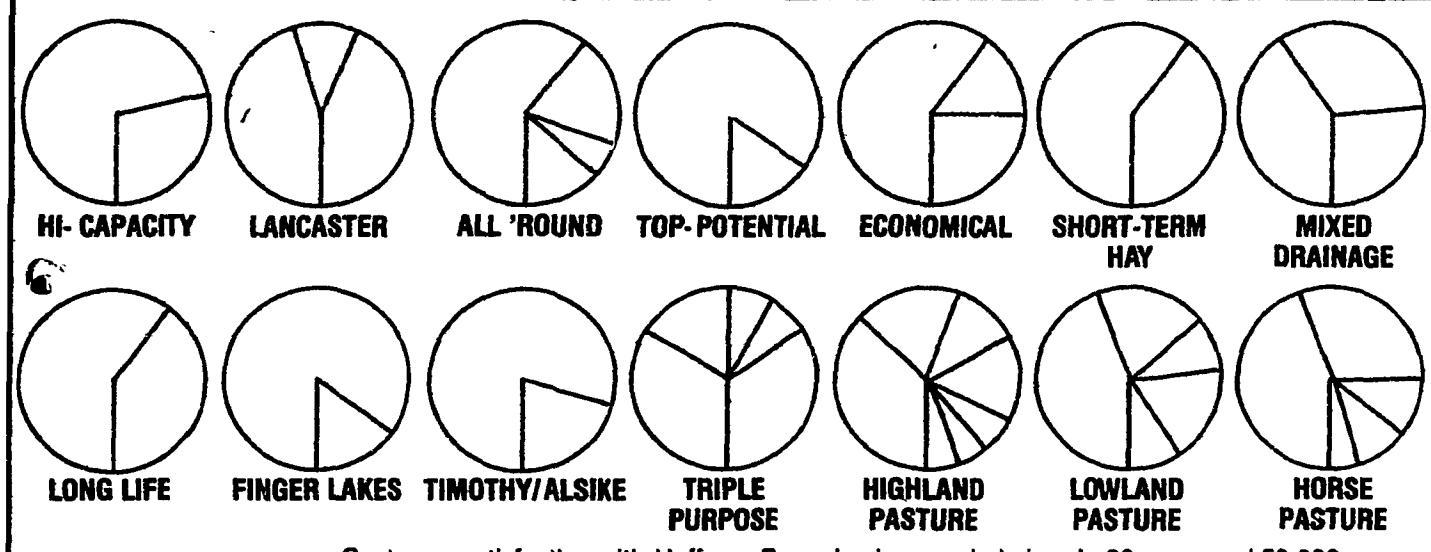

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Shorthorn heifer brings record price

OMAHA, Neb. — A record price of $36,000 was paid to Mill Brook Shorthorns, R. Lee Johnson Family, Frederick' n, Ohio during the Shortho Seedstock Special Sale held i onjunction with the Denver Nat l Western this month.

The top-selling female, Mill Brook Hope 61, was the champion female in the sale show held the previous day. She is a May 1981 daughter of Deerpark Improver 2 out of Highfield Hope 4th.

She came off a successful show season, most recently being named the Grand Champion Shorthorn female at the North American in Louisville, Ky. She sold bred to Mill Brook Four-Ten, a son of the National Champion G-Nine 2975. The buyer was Shorthorn Genetic Engineering of Elk Grove, Ca. The firm is developing Shorthorn females for use in an extensive transplant program.

Interest in the bull sale was centered on two lots, both winners in national show ring competition.

G M Irish Special, a two-year-old son of Lazy D. Irish Jack, sold 1/3 interest and no possession for $30,000. This eva[illegible] him at $90,000. Special was the National Champion bull at the 1982 National Shorthorn Show. Buyers of this lot owned by Sutherland Farms, Prospect, Ky., and Hagerlan Farms, Hodgenville, Ky., were the following firms: Carl Jordan and Family, Rensselaer, In., Mill Brook Shorthorns, Fredericktown, Oh., Walter J. Hoyt and Sons, Burns, Or., and Madera Ranch, Parma, Id.

Another high-selling bull consignment was Honey Dew Big Red, owned by the Jerry Taylor Family, Prairie City, Il., and Martin Bros., Hardeyville, Ky. This bull had been successful in the show ring, being named Grand Champion bull of the Illinois, Iowa, and Missouri State Fairs. In addition, he had also been named Grand Champion bull at the American Royal, Kansas City, Mo., and the North American in Louisville, Ky. This May 1980 son of Legs sold for $20,000, 2/3 interest and full possession to Madera Ranch. He had earlier been chosen as the champion sale bull.

Selling at $10,000 was 7 M Explosion Pirate, a January 1981 Explosion son consigned by 7 M Polled Shorthorns, Clarendon, Tx. This bull was a 1982 All-American and sold for 2/3 interest and full possession while retaining 1/3 semen interest for the 7 M herd. The buyers were DJW Irish Shorthorns, Clarendon, Tx., and Savell Farms, Ferris, Tx.

Spruce Hill Heiress, a roan October 1981 daughter of Cromellar Image Seal x, sold for $10,000 to Sangamon Farms, Dewittville, NY. This fancy heifer is a full brother to Spruce Hill Image who was recently one of the most popular bulls to ever enter the show ring.

Other top-selling lots included: Mill Brook Irish Surge 147 x, consigned by Mill Brook Shorthorns, sold 2/3 interest and full possession to Theiman Polled Shorthorns, Warrensburg, Mo., for $6,600; Inness Roan Queen x, from John Inness, Galesburg, Il., sold for $7,500 to Shorthorn Genetic Engineering; Hilltuck Mick R7, from Hilltuck Cattle Co., Virginia, Il., sold 2/3 interest and full possession to Herb Symington, Neche, N.D. for $9,200; Hilltuck Corofin R2, also from Hilltuck, sold for $5,000 to Shadybrook Farms, LTD, Montreal, Quebec, Canada; HS Beacons Harmony x, a consignment from Hoyt and Sons, sold to Shadybrook Farm, LTD, for $5,000; Waukaru Minnie 1113 x, consigned by Mark Jordan, Rensselaer, In., sold for $5,100 to Scott Bernards, Carlton, Or.; and Gm Spectacular, consigned by Gary Mobley, Prospect, Ky., sold for $7,000 to Melroe Bros., Gwinner, ND and Archie and Gary Hansen, Lisbon, ND.

An average price of $6,811 was received for the 19 1/3 bulls sold, for a total of $131,650. The 15 females brought $88,600 for an average sale price of $5,907.

Economist says livestock economy to improve

NEW ORLEANS, La. — There will be "a little improvement" in net farm income in 1983, with most of it coming in the livestock economy, Kansas City Federal Reserve Bank Economist and Vice President Marvin Duncan said here recently.

There will be "many opportunities" for the livestock industry in the 1980s and '90s and beyond, he said. To bring the entire farm sector back to prosperity, there must be an improvement in world-wide demand for agricultural products and at least a short-term decline in farm expenses, Duncan told the annual meeting of Livestock Marketing Association.

Predicting a "restrained" U.S. economic recovery beginning the second quarter of this year, Duncan said this will "set the stage" for extended economic growth with a period of "relative price stability."

However, Duncan cautioned, not only the U. S., but the world economy must rebound for the agricultural sector to recover. And 1983 will not be a good year for the agricultural chemical and farm implement industries, he said.

This prediciton was tied to Duncan's assessment of the new payment-in-kind program in the grain sector. As acreage is reduced, demand for chemicals, fertilizers and farm machinery will be dampened, he said.

PIK is a "logical conclusion" to the growing problem of overproduction of grain, although the benefits from the program, in the form of increased grain prices, probably will not be realized until 1984, he said.

Although the economy did not perform as well in the last quarter of 1982 as economists had hoped, "there were the stirrings of economic recovery," as auto sales, housing sales and housing starts began "turning upward."

The gross national product should grow from 1.5 to 2.5 percent this year, which Duncan labeled a "very restrained" economic recovery.

Duncan also said that the growing federal deficit "hangs over the economy like a dark cloud," and "unless we do something," the deficit will get larger as far into the future "as you care to look."

Along with a prediction that President Reagan will be forced to cut the defense budget, as well as the rate of growth in Social Security benefits, Duncan also foresaw tax increases both this year and in 1984.

Turning to the world trade picture, Duncan said, "In troubled economic times countries look to protect their own markets." He labeled this move as "very dangerous," saying it can lead to a "spiral of offsetting protectionist measures" abroad.

In response to questions, Duncan said:

—He did not think the "social fabric" of the U.S. will accept double-digit unemployment "forever." He did predict unemployment of over 10 percent through 1983, and said he felt his definition of "full employment" means an unemployment rate of 6-6½ percent.

—The federal government can live with its projected large deficits "for a long, long time, but the economy can't function very well with them." Duncan said that "unless we get some final decisions made about bringing down the federal deficit, I don't see the economy performing well much beyond 1983."

—There is the prospect for some reduction in interest rates. However, an improving economy will bring increased consumer loan demand, helping to boost rates.

Adams-Franklin vegetable meeting Thurs.

GETTYSBURG — The annual winter meeting for Adams-Franklin vegetable growers will be held on Thursday, Feb. 3, at the Penn State Fruit Research Laboratory, Biglerville.

The program is scheduled as follows: 9 a.m., "Efficient Use of Lime and Fertilizer," Peter Ferretti, Extension horticulturalist; 9:45 a.m., "New Developments in Tomato Disease Control," Alan MacNab, Extension plant pathologist; 10:45 a.m., "Insect Control on Vegetables," Robert Tetrault, Extension entomologist; 11:30 a.m., "Marketing Options," Larry Yager, Extension marketing agent; 12 noon, lunch, dutch treat; 1 p.m., "Tomato Varieties and Other Improved Vegetables," Peter Ferretti; 1:45 p.m., "Weed Control That Works", a panel of growers to be moderated by John Z. Shearer, Franklin County Extension Agent; 2:30 p.m., "General Discussion - Insects, Diseases, Cultural Practices," 3:00 p.m., Adjourn.

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High Voltage sparks Nat'l Centennial Angus Show

ST. JOSEPH, Mo. — Hundreds of Angus enthusiasts were in attendance for the once in a lifetime event — the National Centennial Angus Show which took place during the 1983 National Western Stock Show in Denver, Jan. 13-15.

Breeders from across the United States, Canada, and Brazil, brought their finest cattle to compete against each other for the coveted grand champion bull and female titles of this 100-year event.

Howard Hillman, Canova, South Dakota, placed the 254 Angus that were paraded across the tanbark in the stadium arena. When it came time to select the grand champion bull, Hillman had nothing but praise for the Angus breed and wished the American Angus Association another successful 100 years.

Reigning as the National Centennial grand champion bull was last year's reserve grand winner, High Voltage. A son of Ken Caryl Mr. Angus 8017, this senior champion is owned by Huckfeldt & Krebs, Gordon, Nebraska; Bear Creek Angus Ranch, Cameron, Montana; and Gold Block Angus, Boyd, Montana.

Windac Class 1752 was slapped as the National Centennial grand champion female. Before being given this prestigious title, Hillman awarded her the junior champion banner. A Columbus Adventure 2057 daughter, she is owned by Windy Acres Angus, Harrison, Nebraska, and Bert Skou, Buenos Aires, Argentina.

The reserve grand champion bull banner went to reserve senior titlist, Pine Drive Big Sky, owned by LeRoy Billman, Ostrander, Ohio; Premier Angus, Inc., Cloverdale, Indiana; and Big Sky Associates.

Senior heifer calf Premier 7X Heiress moved into the reserve grand champion female spot for Premier Angus, Inc., Howell, Michigan, and Larry Morrison, Sultan, Washington.

Quirk Land & Cattle Co., Hastings, Nebraska; Claude Robinson Jr., Wellsville, Missouri; K & K Cattle Co., Kearney, Nebraska; Fairfield Farms, Lakeville, Connecticut; and Harmon Angus Ranch, Lavina, Montana, put together a group of Fairfield Hi Guy progeny to finish first in the set-of-sire class. Huckfeldt & Krebs showed a trio of High Voltage calves to win the first place ribbon in the junior get class. Best six head were led out by Quirk Land & Cattle Co.

ZAF Administrator 131 garnered the junior bull title for Zehr Angus Farm, Flanagan, Illinois, and Weaver Angus Farm, Peoria, Illinois. Second place in this division went to QLC Winchester, owned by K & K Cattle Co., Fairfield Farms and Harmon Angus Ranch.

Intermediate bull champion was Premier Independence KN, owned by Summitcrest Farms, Summitville, Ohio; Premier Angus, Inc. of Michigan; and O'Neill Angus Farm, Logan, Iowa. White Hall Farms, Inc., North Garden, Virginia, led White Hall Walhallo 371 to the reserve intermediate bull position.

In the bull calf divisions, senior winner was R & J Transformer 2371, owned by Snider Brothers Angus Farms, Gerald, Missouri, and Dozier Angus Farm, Bland, Missouri. Bomford Farms, Miami, Oklahoma, and Garney Cattle Co., Afton, Oklahoma, co-own the reserve senior calf champion, Enforcer. Crackerjack Brutus 512 took home the junior calf title for LeRoy Erdmann, Wetonka, South Dakota; Leos Angus Ranch, Garden City, Missouri; and S/2 Angus Ranch, Point Reyes Station, California. Reserve junior bull calf was Greenbrae Chairman owned by Leland and Christopher Bell, Rocklin, California.

Jud Baldridge, North Platte, Nebraska, showed the reserve junior champion of the femal show, Baldrige Queen 761.

Intermediate female honors went to Double Dye Lady Diana KG, owned by Kent Dye II, Shelbina, Missouri, and Weaver Angus Farm. Jolly Roger Angus Ranch, Belt, Montana, followed to reserve with C W Duchess Pride 21 2.

Lovana Keepsake B421 was declared reserve senior heifer calf champion for Lovana Farms, Inc., Clarkesville, Georgia, and B & L Properties, Allen, Oklahoma. John Graham, Gilman, Iowa, topped the junior heifer calf division with Grahams Lucky Lady, while Wetonkas Erica 233P placed second for Jim Baldridge, North Platte, Nebraska, and Clyde Epperly and Son, Aledo, Illinois.

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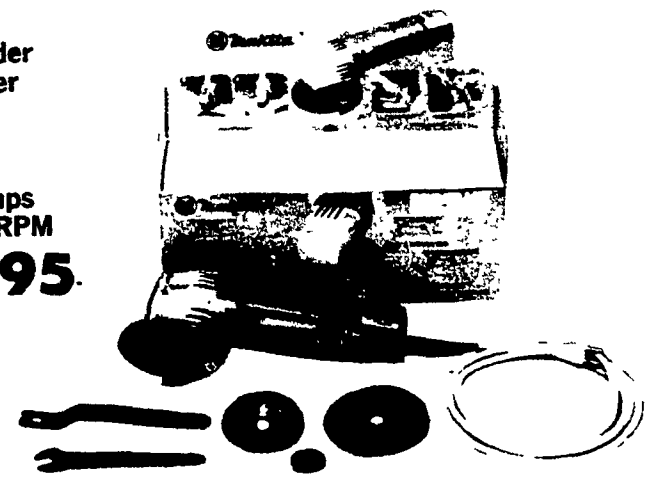

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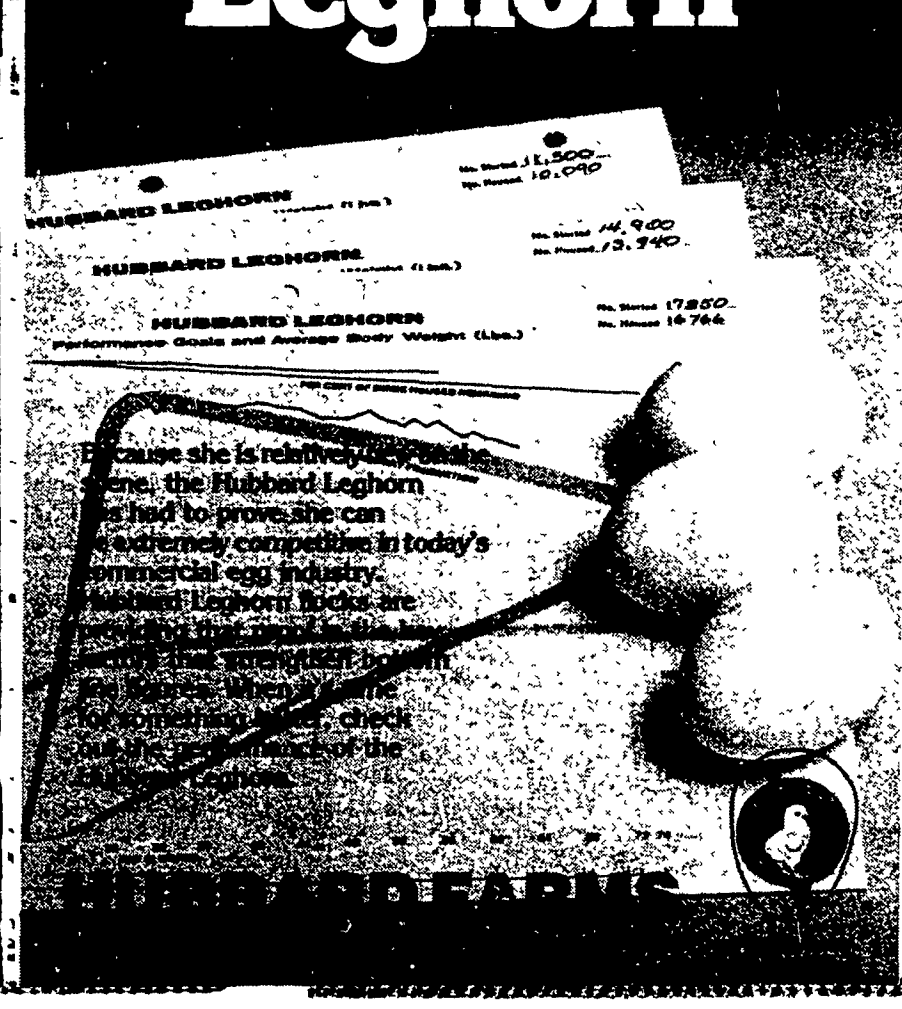

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Publication explains Del. water law, farmer

NEWARK, Del. — The State of Delaware is now in the process of reviewing and revising its water use policy. Farmers concerned about how this may affect them will find valuable information in the Extension booklet, "Agricultural Irrigation and Delaware Water Law."

The publication explains the state's basic water laws and current regulations affecting use of water for irrigation. It tells where to obtain a permit to irrigate, how long a water allocation remains in effect, and explains the penalty for violating permit requirements.

It also answers such questions as: What happens if my irrigation—though approved by permit—depletes or exhausts someone else's water supply? Do I have a right to appeal a water use decision? Is agricultural irrigation covered by state water pollution, solid waste or public health regulation?

The booklet also tells when water use is subject to approval by other governmental bodies, such as the Delaware River Basin Commission or the U.S. Army Corps of Engineers.

Free Copies of the booklet are available from county Extension offices in Newark 302/738-2506; Dover 302/736-1448; and Georgetown 302/856-

Cattle feeders, buyers share ideas

LANCASTER — Two cattle feeders and two cattle buyers "took the bull by the horns" Tuesday as each shared with more than 200 fellow beef farmers the secrets to raising marketable cattle.

Leading off the panel was Marty Eberly who voiced his likes and dislikes in a "no room for doubt" manner.

"I like big, growthy calves," said Eberly. "Give me 400-450 pound medium frame number ones, either Angus or an Angus x Charolais steer."

The Lancaster County farmer buys calves several times a year and feeds them for about 300 days — until they reach the ideal weight of 1,250 pounds and will grade high choice or prime, he laughed. Eberly noted that most of his heavy cattle are sold during the months of July and August. "That's when I feel there's a bigger price spread between grades," he said.

Eberly's feeding program combines the benefits of haylage for protein, corn silage, protein supplement, corn, and a feed additive, Rumensin. He pointed out that his steers are implanted three times with Ralgro.

"I like to finish up with a good conformation steer — real thick and not gobby," explained Eberly. "I like to open up and get them outside where they can move around and exercise, not have them all the time on slats. And I don't hit them with too hot a ration too fast."

Showing that there are as many differenees in cattle feeders as there are in steers, Lancaster County farmer Jim Kettering explained that in his beef feeding business, steers are bought in at 750-800 pounds. Kettering said he prefers a crossbred steer; its color can be black, black white-face, red or mouse-gray.

Kettering takes his steers to the 1,200-1,300 pound finish by feeding 5-7 pounds of high moisture ear corn and silage to start, after being fed hay their first week in the lot, wormed, deloused, medicated and implanted. After a period of two to three months, the steers are increased to 14-16 pounds of high moisture shelled corn with Rumensin.

His ultimate feeding goal is to get his cattle to a Grade 2 or 3, said Kettering. "To go any higher would take too long and more feed," he said, adding that he could also risk a cut in price for overheavy cattle.

Although Kettering said most of his steers are farm-fresh from Virgnia, West Virginia, or Maryland, he explained that he tries to buy feeders year-round.

"If we sell some fat cattle and get stung in price, we turn right around and buy another load that same day," he said, adding that sending steers to market all year allows him to average out the market highs and lows.

"I don't board steers, I feed steers," concluded Kettering with confidence.

Bob Summy and Rick Marshall, meat packing company cattle buyers, shared their thoughts on the ideal fed steer or heifer — stressing the cattle should be yield grades 2 or 3 and should weigh more than 700 pounds without too much fat.

Said Summy, "I don't care what color they are, just so they grade." He added that the exotic cattle breeds "don't grade as well as English," noting that these bigger cattle are "meat builders instead of fat builders."

Marshall stressed the need for more beef promotion.

Cattle Feeders' Day Committee Member Ken Meck, center, reviews the day's agenda with Lancaster County Livestock Agent Chet Hughes as cattle marketing panelist Jim Kettering, left, looks on.

Banker assures

(Continued from Page A1)

War II lasted only 16 months. Since the current recession has exceeded this record by two months, Boyd said he is "optimistic the recession is close to ending."

Some good signs, he said, are "little chance of reacceleration of inflation," coupled with a lower production cost for farmers.

"Things will remain rather tough on the farm," concluded Boyd, "but it's good to see favorable costs of production of which interest rates will be a significant factor."—S.M.

Darvin E. Boyd

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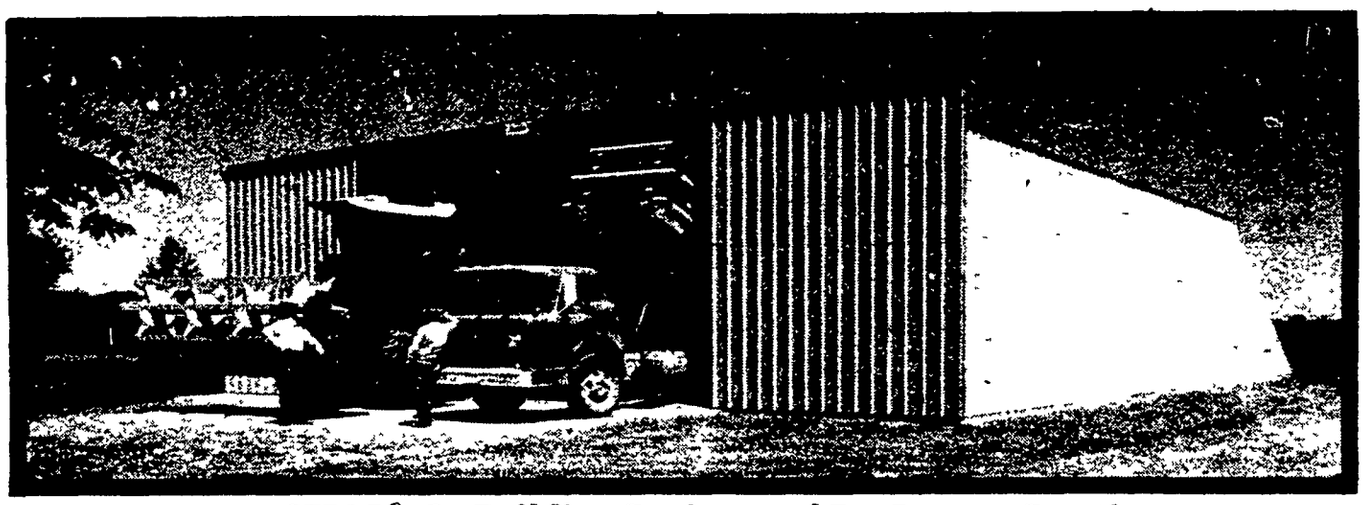

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Cattle Feeder's Day

"Feast"

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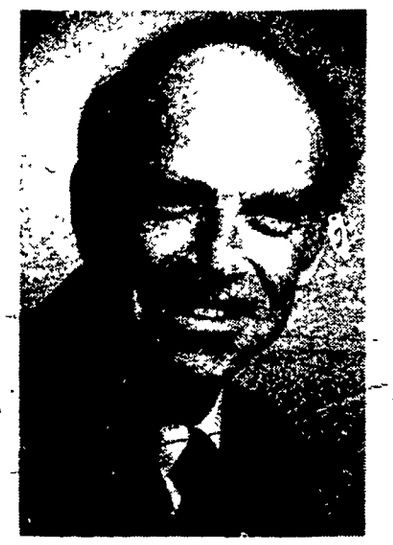
poor economy. He noted that the per capita consumption of beef peaked in 1976 at 129 pounds per person, and has steadily dropped off to the point where it now stands at 104 pounds.

"The price of retail beef has steadily increased," explained Moore, adding that most retailers feel they can afford to keep their prices up and move less beef, and still maintain the same profit margin.

Looking at 1983, Moore forecast a gradually decreasing supply of meat, not only in beef but in pork and poultry, also. Although the first seven months of the year will see an increase in meat to the tune of 3-5 percent, the remaining months will ring in at a 1-3 percent drop in supply. Some reasons for this decrease, he said, are fewer cull cows going to slaughter, smaller numbers of hogs being fed, and only a slight increase in the amount of poultry.

Less meat, he added, means higher prices at the farm for beef feeders. Moore predicted prices to increase roughly 3-4 percent this year, despite continued competition from the dairy industry for consumer dollars.

Using what he termed "Moore witchcraft," the Penn State economist took a stab at predicting future prices for beef in 1983: February - 62.00; April - 63.00; June - 64.00; and October - 66.00. Breakeven prices for beef feeders in these respective months, he said, would be: 66.75; 64.50; 64.00; and 66.00.



Lou Moore

He noted that his breakeven figures "cover all costs including land and management." Just to cover cattle and feed, a farmer would have to subtract $9-10 a hundredweight for breakeven prices.

Qualifying his forecast, Moore added that prices for beef could go even higher after June than what his "witchcraft" figures show. This will depend on consumer demand, he said.

Looking at beef feeders' alternative occupations, both on and off the farm, Moore advised his captive audience to stick with beef, saying off-farm jobs are scarce and "we don't need any more dairy farmers."

Summing up his sentiments, Moore concluded: "While things look bleak, remember agriculture is always made up of 'feast' and 'famine.' When some farmers are making money, others are losing — consider the Midwest grain farmer today. We (beef feeders) had our feast-time in the 1970s, and now we're in a period of famine."

Ending on an optimistic note, Moore added that he predicts beef farmers will be "feasting" again later in the 1980s. And the current cheap grain situation will keep them from "starving" until then.

What's new in the beef feeding business?

LANCASTER — What's new in the beef feeding business? Penn State Extension Beef Specialist Les Burdette reviewed some of the newer products with local beef farmers Tuesday during Lancaster County's Cattle Feeders' Day.

First on his list of tools beef farmers can use to increase production were feed additives to aid digestion in cattle.

- Rumensin in the beef diet, said Burdette, alters fermentation in the stomach and results in an 8-10 percent reduction in feed requirement, more pasture gain, and reduced bloat.
- Bovatec, a new fermentation modifier, is a "more active additive," said Burdette, and reduces feed requirements by 8 percent, increases gain by 5 percent, and also reduces bloat.
- MGA is a feed additive restricted for use on heifers, keeping them from cycling reproductively. This additive, said Burdette, increases gains by 10 percent, reduces feed 6-7 percent, and requires a 48-hour withdrawal period. He stressed the need to mix this additive carefully, since dosage is small.

Turning to a more modern feeding "crutch" which farmers are leaning on more and more, Burdette cited several brands of ear implants which increase rate of gain in beef cattle.

- Synovex, which is specific for either steers (S) or heifers (H), is a natural hormone implant which requires reimplanting every 90-120 days. Cattle that weigh 400 pounds and up can be implanted and should realize an increase of 10-16 percent in gain with 8-12 percent less feed. Synovex should not be implanted within 60 days of slaughter, Burdette pointed out.
- Ralgro, which is a derivititve of corn mold, aids in protein deposition, said Burdette. It, too, requires reimplanting every 90-120 days, however it can be used on either steers or heifers from the time of birth. This implant results in a 9-15 percent gain with 9-11 percent feed, which is about 1 percent less results than with Synovex, Burdette noted. Ralgro should not be implanted within 65 days of slaughter, he added.

Citing a Penn State study, Burdette reported no additional benefits were derived by reimplanting beef cattle "half way through fattening" unless the implant was improperly inserted — into a blood vessel or crushed, either of which permit more rapid absorption.

A product on the market which eliminates the crushing problem is Compudose, said Burdette. Made from silicon, this ear implant is uncrushable, he said. Compudose is a 200-day implant which can be used only on steers, from birth. This implant shows test results of 8-12 percent gain with 6-10 percent less feed, noted Burdette. He added, however, that this longer-lasting product has resulted in cases of more bulling activity in steers — a problem currently being addressed by the manufacturer.

Summing up his presentation, Burdette shared the following advice with the beef feeders:

— Do not implant bulls and heifers intended for breeding stock;

— Use feed additives plus implants for the most benefits;

— Read labels, and follow directions and instructions.

The Penn State specialist stated that farmers who run breeding or feeding hogs with their feeder cattle should not be concerned with using feed additives. "There have been no examples of residues passing through cattle in quantities harmful to hogs."

Burdette encouraged the farmers to "take advantage of modern technology and products to get the best use out of cheap corn."—S.M.

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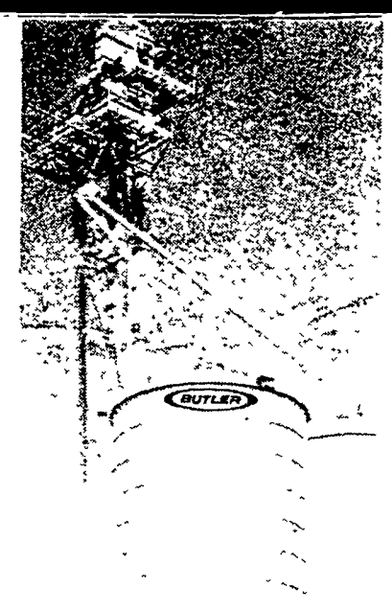

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It's so dry; trees lean toward the dogs

BY DICK ANGLESTEIN

CAMP HILL — The second annual Keystone Cornucopia proved once again that this ever growing event sponsored by the Pennsylvania State Council of Farm Organizations literally has it all.

The "Horn of Plenty" affair held Monday night offered:

–All the food that anyone could ever hope to eat in a single sitting.

–The opulence of the Grand Ballroom of the Penn Harris Motor Inn.

–A chance for representatives of farm organizations from across the Commonwealth to congregate and get their legislative act together.

–And then an opportunity to pigeon-hole assembled legislators and play that act in an informal lobbying atmosphere.

–And finally, a speaker with down-home humor right out of the Smokey Mountains of Tennessee.

If anything more might be wanted, it would have to be a way to serve the more than 600-person audience in less than two hours. For this was the only drawback at the Cornucopia. Those people at the last table to go through the serving line had to be well stocked with the earlier Hors D'oeuvres in order to last the near two-hour wait.

But the wait had to be worth it – with some 40 different food items all from Pennsylvania except one. And if the planning committee could find a greenhouse owner willing to try growing coffee that final non-Pa. item might be eliminated.

"We used to get 200 or so at these legislative dinners before," explained Robert Hodge, retiring president of the Council and the evening's MC.

"Last year's Cornucopia had some 500 and this year topped 600."

Two extra tables had to be hastily put together to handle the large turnout.

But the object of the event after all is to let farmers and agribusiness representatives rub elbows with legislators and get the ag story across once again.

Prior to the dinner, a session was held with ag legislators or their aides.

Bill Sonntag, representing Ed Helfrick, head of the Senate Ag Committee, gave an idea of what might be coming up in ag legislation during the coming session.

"We need to review the performance of the major ag acts passed in the last two years and possibly fine tune them to handle some questions of implementation that have come up," he said.

He referred to the Right To Farm Bill and the Ag Area Security Bill.

He pointed to the need to keep Pennsylvania farm products competitive in the market place and specifically exempting various haulers, such as feed, fertilizer and milk, from various PUC regulations.

"If you look at the recent list of Master Farmers, you'll see that two of the seven had direct retail outlets for their products," he said.

"We need an amendment to Act 319 which would give landowners a one-time split-off of a couple of acres to permit commercial diversification on farms without the penalty of roll-back taxes."

Other needs included compulsory beverage container return, local options to fund deed restrictions to preserve farmland, animal statue update and adequate funding of ag research programs, such as soil testing.

First in line for some good Pennsylvania beef is Penny Hallowell, ag secretary.

Earl B. Hall, of the Farm Credit Banks of Baltimore, chats with State FFA representatives Mike Pfautz, Eastern VP; and Barry Geib, treasurer.

MC and retiring president of the Pa. State Council of Farm Organizations Robert Hodge, left, with featured speaker Walt Buescher.

Speaking at the banquet were Sen. Robert Jubelirer, Senate majority leader; Ag Sec. Penrose Hallowell who brought greetings from the Governor and retiring president Hodge.

Featured speaker for the evening was Walt Buescher, retired from the farm equipment industry, and now a resident of Pigeon Forge, Tn. who travels the speakers' circuit under the sponsorship of Sperry New Holland.

With his down-home, male Minnie Pearl type humor, Buescher mixed one-liners with a message of the need for farmers to promote the marketing of their products.

Some examples:

"Pigeon Forge is so small that when you plug in the toaster, the street lights go dim.

"The fire department is three dogs.

"You folks who bleed green and want to be buried in Moline will have a rotary combine one of these days, too.

"Agriculture has something to do with farming and farming is doing it.

"The farmer takes all the risks of other businesses and then has the weather, too.

"Sometimes, it's so dry the trees lean toward the dogs.

"And it's so wet you can't plow for an hour after eating.

"We never produce too much; we just sell too little.

"Agriculture is the only industry that's excused from selling its own product.

Commodity queens at Keystone Cornucopia include, from the left, Sheila McDaniel, Erie County, grape; Kelly Mummert, Adams County poultry; Angela DiProspero, Kennett Square, mushroom; Kelly Barr, Franklin County, honey; Jean Mobilia, Erie County, apple; and LuAnn Breneman, Lancaster County dairy.

Senate finance committee member voices "optimism"

HONOLULU — The Senate leader who two years ago helped shape the Reagan Administration's economic package-the Kemp-Roth bill-remains "bullish on America's future."

Senator William V. Roth (R-DE) told some 700 cooperative leaders attending the 54th annual meeting of the National Council of Farmer Cooperatives here recently: "While it is by no means unanimous, there does appear to be an emerging consensus that there will be a moderate upturn in the economy."

The Delaware senator, third-ranking member of the powerful Senate Finance Committee, bases his optimism on a continued downturn in interest rates. Sen. Roth blames high interest rates for depressing the housing and auto industries, and being a major cause of bankruptcies for many farmers and small businessmen. He said high interest rates are also responsible for driving the value of the dollar to record low levels, thereby encouraging imports and discouraging exports."

To achieve a continued drop in interest rates will require an assist from the Federal Reserve Board which, in the senator's view, "has the power to bring real interest rates down to the level that would allow and encourage recovery in 1983."

Sen. Roth says the time is right for "a bold initiative on the monetary side." He's hopeful that the federal government "will maintain a steady hand on fiscal policy, as the economy turns around," predicting that the Federal Reserve "will make a dramatic move to lower interest rates. Such a move, said Roth, is critically important to enable us to make the structural reforms necessary to meet the challenge of the technological revolution of the '80s.

Sen. Roth predicts that President Reagan "will continue to have a pretty good batting average in the next Congress" but believes the president will have to be willing to compromise, particularly on defense spending. "I do not believe the U.S. can afford to increase defense spending as proposed by the President when our economy is so weak," he said. "Our economy must be given top priority."

The third-term Delaware senator saved his harshest criticism for fellow politicians, commentators and journalists for their "gloom and doom prophecies about a coming depression." He said, "depression talk helps scare off the fledgling recovery by undermining the confidence of consumers and investors."

"These remarks may make the headlines," he concluded, "but they are unsettling and, more important, totally inaccurate. There simply is no comparison between today's economic conditions and those of the thirties."

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Everything you always wanted to know about...silage

LANCASTER — Covering all there is to know about silage in 30 minutes was no easy task for Penn State Extension Beef Specialist Les Burdette on Tuesday as he addressed the participants of Lancaster County Cattle Feeders' Day. But the big Penn Stater encapsulated his years of knowledge into a small statement: "Silage increases beef per acre."

Addressing the difficulties of ensiling forages, Burdette explained that forages, like alfalfa, lack the carbohydrates needed for silage fermentation. He recommended that forages be wilted to 60-70 percent moisture to equal 700 pounds of dry matter per ton.

Burdette suggested that if beef feeders add 5-6 pounds of grain to their alfalfa silage, the nutritive level would equal one pound of soybean meal plus corn silage for a 500-650 pound steer. The best time

Lester Burdette

to "shovel" forage silage into cattle is during the lightweight, growing period, said Burdette — under 700 pounds for the English breeds and under 800 pounds for the exotics.

"When alfalfa hay is above $60 a ton," emphasized Burdette, "it's more profitable to sell the alfalfa than feed it to steers."

Corn is a "natural silage fermenter," said Burdette, adding that preservative additives are "seldon justified."

However, Burdette reviewed the addition of non-protein nitrogen to corn silage, citing a 4-5 percent improvement in protein value as a result. He recommended adding 7-8 pounds of anhydrous ammonia per ton of corn silage of 60-72 percent moisture. Other additives mentioned by Burdette included minerals, such as limestone and dicalcium phosphate at the rates of 10-15 pounds per ton and 10-12 pounds per ton, respectively. Sulfur, too, can be added to corn silage fed to heavy cattle through gypsum or sodium sulfate at 8 pounds per ton. Burdette recommended one part sulfur be added to every 15 parts NPN.

"Don't feed lightweight cattle under 600 pounds NPN until all their protein needs are met naturally," cautioned Burdette. He advocated leaving part of the corn silage (15 feet, or so) in an upright silo untreated so that cattle will have a period of adjustment until the silage unloader hits the NPN-treated layers.

Burdette told the cattle feeders that they will realize the greatest average daily gain in steers when the ration contains only 25 percent roughage. With less roughage in the diet, the ADG drops back, but Burdette noted there will be a savings on feed handling and bulk.

"Overhead costs, such as price of interest, dictate feeding 25 to 50 percent of the ration's dry matter as grain," said Burdette. He challenged the farmers to strive for a goal of a 2.4 ADG or higher for cattle started at 600-700 pounds, or 2.2 for cattle started at 400-500 pounds.—S.M.

Is preconditioned calf worth cost?

LANCASTER — Feedlot death losses in feeder calves can be cut substantially if cattle breeders precondition the calves before selling them to cattle feeders. This idea, although not new, was reinforced Tuesday during the Lancaster Cattle Feeders' Day.

Penn State's Les Burdette explained that a preconditioned calf is one that:

- is weaned for at least 21 days;
- is ear tagged;
- is vaccinated for IBR, PI3, blackleg, and optionally BVD, clostridial, and H. Somnus;
- is degrubbed and deloused;
- is introduced to dry feed;
- has a veterinarian's certificate.

Burdette said that farmers who buy calves that are suffering from deydration should provide them with unlimited water, good hay, and 2-3 pounds of feed as soon as they'll eat. Good quality silage can be added to the diet after the first day.

Burdette cautioned against feeding nonprotein nitrogen to young calves, but pointed out the feed should contain salt, calcium and phosphorus. He stressed visually checking feeder calves, keying in on any calves that are "hollow-sided," or that display drooping ears or rapid and labored breathing.

When handling newly arrived

(Turn to Page A25)

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Panel discusses starting cattle on feed

LANCASTER — A veterinarian, two cattle feeders, and a cattle jockey tossed out their philosophies on the best methods for starting cattle on feed Tuesday during the Lancaster Cattle Feeders' Day, sponsored by the Penn State Extension Service.

Dr. George Zimmerman of Ephrata described how shipped cattle could be suffering from stress, and viral and bacteria infections. He suggested cattle feeders strive to "get hay into those calves"quickly, and vaccinate them only if the calves don't appear to be sick already. He stressed the need to provide adequate housing, clean bedding and fresh water.

Lancaster County cattle feeder Earl Martin advocated medicating the drinking water, followed by medicated feed during the initial 2-4 weeks on the farm. Fellow cattle feeder Ken Rohrer stressed the benefits of clean pens, water troughs, and feed bunks filled with hay. Rohrer added that it is important to watch the cattle being unloaded so that any lame or injured animals can be picked out of the bunch. This individual calf inspection should continue for the next several days, said Rohrer, so that sick animals can be detected early.

Jimmy Hoar of Kreider Cattle Company emphasized the need for cattle feeders to be sure their new purchases were properly weaned before being trucked to the farm. He also noted that regular bedding and a bit of exercise do wonders for the cattle.

Preconditioned calf

(Continued from Page A24)

yearling feeder cattle, Burdette said farmers don't have to be as cautios. He suggested feeding good hay, 3-4 pounds of grain, and silage without NPN for at least the first week. He noted that yearlings should be on full feed within 15-20 days.

Up in smoke

If you smoke a pack and a half of cigarettes a day, you spend about $370 a year; two packs, almost $500.

USDA-insured PIK participants offered higher yield guarantees

WASHINGTON, D.C. — Farmers who take part in the payment-in-kind program can get higher yield guarantees on crop losses insured by the U.S. Department of Agriculture's Federal Crop Insurance Corporation.

In announcing the new initiative Tuesday, Secretary of Agriculture John R. Block said increased yield guarantees can run as high as 10 percent for farmers who participate in PIK at the 30 percent level. Yield guarantees will go up less for lower levels of participation.

"To qualify for the yield guarantee increase, the insured farmer must participate in the PIK program at least at the 10 percent level," said Block. "That would make the farmer eligible for an increase of 6 percent."

Block said the guaranteed increase will climb to 8 percent at the 20 percent participation level. The 10 percent increase for PIK participation at the 30 percent level will be the maximum allowed.

Under the PIK program announced Jan. 11, farmers can allow some of the land they normally farm to lie idle. In return, they will get a certain amount of the commodity they would have raised from reserves held by the government.

The objective of PIK, said Block, is to balance demands and supplies by reducing production, cutting surplus stocks and avoiding price support payments.

Merritt W. Sprague, manager of the USDA crop insurance corporation, said he believes the new insurance offer is an incentive that will attract new producers to crop insurance and encourage those already insured to continue their coverage.

"No additional action will be required by the insured farmer who is a PIK program participant to qualify for the increased yield guarantee, " said Sprague. "No additional premium will be charged for added coverage."

In the event of loss, said Sprague, the producers' policy guarantees will be adjusted according to his verified PIK participation records.

Sprague said the yield guarantee increase level is based on the corporations's expectation of increased yields, more timely operations and greater inputs per acre on the remaining acreage of PIK participants. The agency can offer higher guarantees without a corresponding rise in premium rates because it estimates the risk of loss will be reduced.

Current winter wheat policy holders who are participating in PIK may submit revised acreage reports to the corporation until March 11, said Sprague. No premium will be due on destroyed acreage for reports filed on time.

Producers submitting bids for whole farm participation may submit a zero acreage report which is conditional upon acceptance of their bid by the Agricultural Stabilization and Conservation Service. Soon, the Federal Crop Insurance Corporation will send notification letters to insured producers outlining alternatives and procedures to follow.

More information about the PIK program and federal crop insurance participation can be obtained by calling a toll-free number, (800) 368-5942 between 8 a.m. and 8 p.m.

Producers also may get full details from local offices of the Agricultural Stabilization and Conservation Service.

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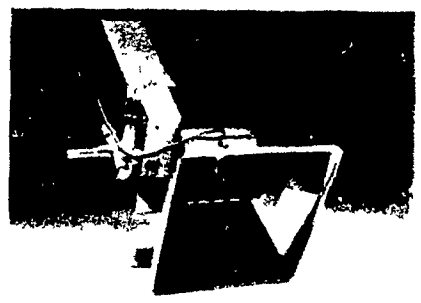

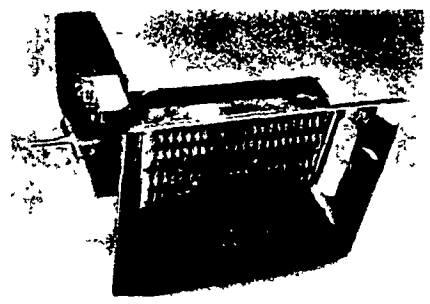

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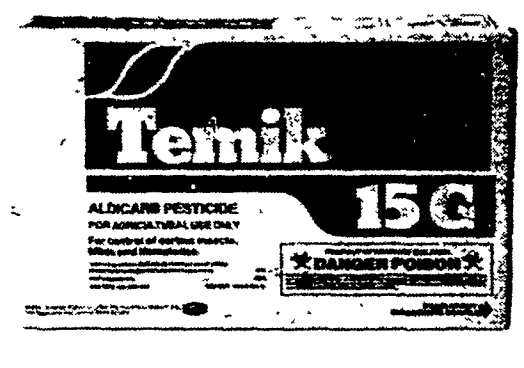

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Cumberland Extension names Hornbaker

BOILING SPRINGS — Gary Hornbaker, R5 Shippensburg, was elected president of the Cumberland County Agricultural and Home Economics Extension Association at their 66th annual meeting, Thursday, Jan. 20, at the South Middletown Firehall.

Also elected were Wayne Baker, R2 Shippensburg and Glenn Glesner, R4 Newville as vice presidents; and Mary Ellen Williams, R1 Shippensburg as secretary.

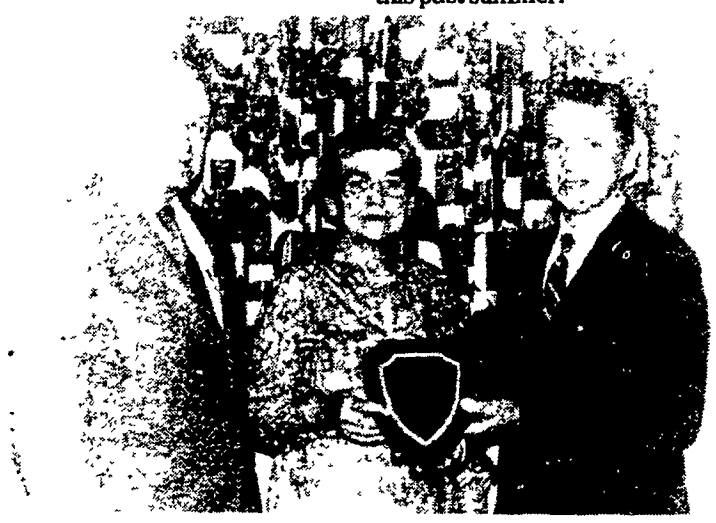
For outstanding leadership and service to Cumberland County, Fred Naugle of Carlisle, and Mr. and Mrs. Norman Mains of Newville, were honored with plaques.

Participants at the Thursday evening banquet were able to meet the new members of the Board of Directors, including Kathy Strock, Mechanicsburg; Beverly Giovannitti, Boiling Springs; John Cope, Grantham; Dr. John Enck, Carlisle; Credon Bixler, Carlisle; and Morris Rill, Newburg.

Representing the 4-H livestock and dairy clubs in Cumberland County, Andy Rill presented Samuel Smith, dean of the College of Agriculture at Penn State, with a check for $300 for the ag arena fund.

Also on the evening's agenda was a presentation by public speaking winner Andy Rill who delivered the same speech which won him a blue ribbon at State 4-H Achievement Days at Penn State this past summer.

Gary Hornbaker, second from right, was elected president of the Cumberland County Agriculture and Home Economics Extension Association recently at their 66th annual meeting. He succeeds Robert Berkheimer, Mechanicsburg (far left). Andy Rill, 4-H member from the Newburg area, presented his blue-award winning speech entitled "A Positive Outlook For The Top." Samuel Smith, dean of the College of Agriculture, Penn State, reviewed the accomplishments of the Extension Service and discussed the challenges of the 80's.



Mr. and Mrs. Norman Mains, Newville, were recognized for their outstanding leadership and service to Cumberland County by the Extension Association at their recent annual meeting. Robert Berkheimer, past president, Mechanicsburg, is shown presenting a plaque to the Mains.

Fred Naugle, Carlisle, was recognized for his outstanding leadership and service to Cumberland County agriculture by Robert Berkheimer, past president, Mechanicsburg.

Del. farmers weigh benefits of no-till

By Doris Crowley

When economists at the University of Delaware's Agricultural Experiment Station surveyed Delaware grain farmers five years ago regarding their attitudes towards no-till crop production, time saved was the main reason given for abandoning conventional tillage with the moldboard plow. Reduced fuel, machinery and other production costs had less to do with making the switch than savings of time, moisture and labor.

How do the two systems stack up today?

Indications are that the main reason farmers in this part of the country are now shifting to no-tillage is because of its higher yield potential—a benefit derived from the greater moisture-holding capacity of no-tilled soils.

As University agronomist William Mitchell points out, "On coastal plain soils, saved moisture translates into increased yields and reduced unit production costs."

Mitchell says no-till yield increases are most striking at times of severe moisture stress. During the dry summer of 1980, for example, no-till plots in his corn hybrid trials out-performed conventionally tilled plots by about 40 bushels an acre. Each of the 93 hybrids in the test that year was grown under both cultural systems at two plant populations—21,000 and 25,000. With no-tillage and a vetch cover, yields increased as plant density went up. The reverse occurred under conventional tillage, where plants were most visibly affected by the drought.

All plots received the same amount of commercial nitrogen contribution of the vetch. But Mitchell feels this probably also influenced the higher no-till yields.

Cheap organic nitrogen is another benefit of no-till, when the system is combined with a legume cover. With this, farmers have to apply less commercial nitrogen. In some of his other studies at the Delaware Agricultural Experiment Station, the agronomist has reduced synthetic nitrogen applications from 100 to 20 pounds an acre without reducing corn yields in the presence of a good vetch cover.

Though most of the farmers surveyed in 1978 ranked erosion control toward the bottom of their list of reasons for shifting to no-tillage, in the long run, this may be one of its most important benefits, Mitchell says.

"If soil erosion on the Delmarva peninsula continues at its present pace, the costs will be enormous and the damage irreparable," he predicts. "Yields will eventually decline and the cost of all inputs will escalate."

Scientists who have examined the influence of tillage systems on erosion say there is no doubt that conservation farming — especially no-tillage — can contribute significantly to control of this serious problem.

No-till farming also benefits the environment in another way. Under this system, plant nutrients including nitrogen are recycled to the soil surface by way of crop residues. Immobilized in organic matter, these nutrients are available in a slow release form. Thus, says Mitchell, if cover crops are grown during the winter, the likelihood of nitrates moving into the ground water may be reduced.

These are some of the advantages of no-till.

The system also has some disadvantages that may contain hidden costs for the farmer.

When it comes to weed control, for example, large amounts of crop residue or cover crop mulch may intercept some applied herbicides and interfere with their activity. Mitchell says the problem seems to be limited to certain herbicides. When not incorporated, others, such as the carbamates, appear to perform better in the presence of heavy mulches. And the mulches themselves help control weeds.

Increased pressure from perennial and triazine-resistant weeds is a particular concern in some no-till fields. "The problem appears to be most severe where crop rotation is not being practiced," the scientist says. One short-term solution is to use a broad spectrum of herbicides with crop rotation. Not all farmers have experienced such difficulties, however. In fact, some report reduced weed pressure in their fields under long-term use of no-tillage.

Another problem with no-till is that soils under this system tend to become more compacted than tilled land, Mitchell says. In time, increases in soil organic matter may moderate the problem. And with more attention to row location, traffic patterns and cover crops, he thinks this hidden cost can be eliminated.

No-tillage soils are generally colder than tilled soils—especially when cover crops are used, the agronomist says. Crop residues mulch the ground and hold water. But since the first step in warming a soil is to dry it, on heavier soils these residues can keep the ground cool and delay planting days or even weeks beyond the optimum planting date. Such delays often lead to reduced yields.

Mitchell and other scientists are currently investigating this problem. In time, he says, ridging or other changes in "row geometry" may make it possible to retain the advantages of no-tillage while cutting the costs associated with cold soils.

Insect and disease pressure under no-tillage is another concern of those looking critically at this farming method. When pests slow growth or reduce stands, they reduce the effectiveness of the system and boost production costs. "The most promising approach to disease control," says Mitchell, "is through the development of disease-resistant hybrids. Control of troublesome insects such as the black cutworm, hinges on the availability of safe and effective insecticides."

On balance though, when the advantages and disadvantages of no-till are compared, the agronomist believes there is strong justification for continued growth in no-tillage.

PFA testifies on hunting changes

HARRISBURG — The Pennsylvania Farmers' Association has asked the Pennsylvania Game Commission to delay the start of 1983 small game season by one week and to make other changes recommended by PFA voting delegates.

Edward Taczanowsky, PFA's director of Local Affairs, presented the recommendations on behalf of PFA during testimony before the Game Commission, Jan. 23.

PFA recommended that small game season be delayed so that farmers have time to finish harvesting their crops. Taczanowsky commented that, "... trampling of standing crops by hunters, and time limitations due to early seasons, can be one of the most frustrating elements in today's agriculture." He added that if sportsmen feel they need seven Saturdays for small game hunting, the last week can be added to the extended season following Christmas.

In other matters relating to open seasons and bag limits, PFA recommended that the anterless deer season be extended to three days and that bear season be delayed until three days before antlered deer season to save sportsmen an extra hunting trip.

PFA also recommended that elk hunting be allowed in limited areas because of increasing crop damage problems. Finally, to prevent confusion over daily hunting starting times, PFA recommended that shooting hours be from 7 a.m. to 4:30 p.m. except for the first day of small game season.

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Brooks End sale tops $104,000

BEAVERTOWN — The Brooks End and Par Kay Farms Landrace-Yorkshire annual winter sale on Jan. 21 grossed $104,210 on 237 head.

The top-selling animal was a Yorkshire Boar, Lot 119 RTB2 Westpit King Davie 87-12, at $1425, purchased by Sam Lane Dover, N.C. The top-selling Yorkshire Bred Gilt was Lot 35 purchased by Delmarva Farms Inc. Baltimore, Md. for $700.

The top-selling Landrace Bred Gilt was Lot 77 purchased by Bob Chalus Ottowa, Ill. for $825. The top-selling Landrace Boar was Lot 156 purchased by Larry Becham Kittrell, N.C. for $775.

A total of 88 head and Bred Gilts averaged $598 and 46 boars averaged $619.

Other sale results: 48 head of Yorkshire Bred Gilts avg. $607; 37 head of Yorkshire Boars avg. $661; 85 head of Yorkshires avg. $631; 40 head of Landrace Bred Gilts avg. $587; 9 head of Landrace Boars avg. $444; 49 head of Landrace avg. $560; 103 head of Commercial Open Gilts avg. $225.

The sale offering sold into 11 different states. Much of this sale offering featured imported bloodlines.

Deer kill report cards top 133,000

HARRISBURG — The Pennsylvania Game Commission has received more 1982 deer kill report cards than expected. The figure exceeds 133,000. Last fall, the agency said it hoped hunters would report taking at least 63,000 bucks and 60,000 antlerless deer.

Hunters who harvested deer during the most recent seasons are urged to send in their deer kill report cards. Although the law requires the card be mailed within five days of harvesting, the Game Commission is interested in receiving cards from successful hunters, regardless of when the animals were taken.

Prosecutions will not be made if the cards are returned now. Those who further postpone sending in the cards may face a penalty.

In the management of Pennsylvania's deer herd, wildlife biologists must know how many deer were removed during the hunting seasons. The most important information on deer removal is gained through the cards returned to the Game Commission, so all successful deer hunters are urged to cooperate and enhance the future of their sport by returning the cards immediately.

PEMA elects new slate of officers

LANCASTER — Glenn Smith of Pennfield Farms, Ephrata, stepped out of the vice presidency and into the presidency of the Pennsylvania Egg Marketing Association during their January meeting. Smith succeeds James Wolf of Wolf Farms, Inc. of Stewartstown who was named director-at-large.

The move by Smith to the helm of the state's egg marketing organization was not an automatic one, as it is in some groups. Smith received the backing of the nominating committee who placed his name on the ballot, along with re-elected officers William Patterson of Weaver's Quality Eggs, secretary and Andy Hansen, Hy-Cross Company, treasurer.

The newly elected vice president received his nomination from the floor. Paul Sauder of R.W. Sauder, Inc. of Lititz will follow in the office held formerly by Smith.

The next PEMA meeting will be held Feb. 11 at the Sheraton Conestoga Motor Inn, Oregon Pike, Lancaster.

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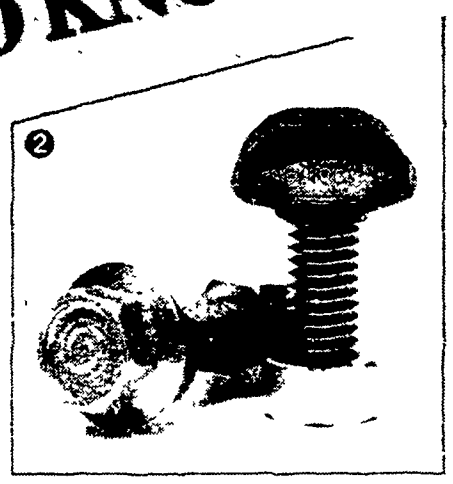

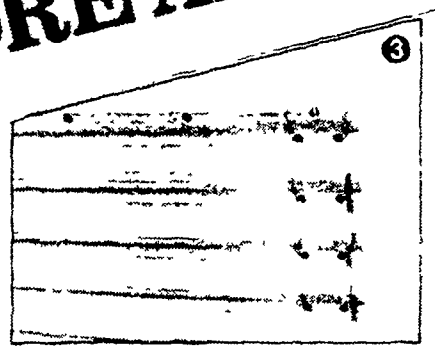

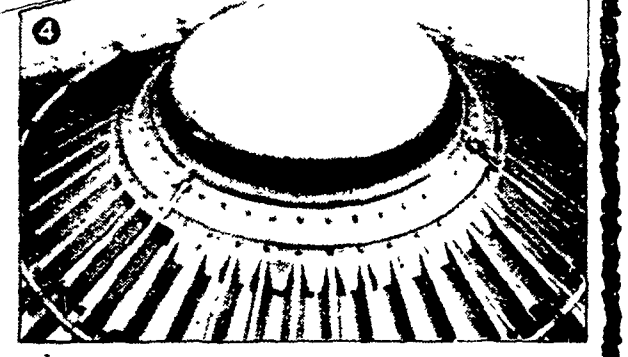

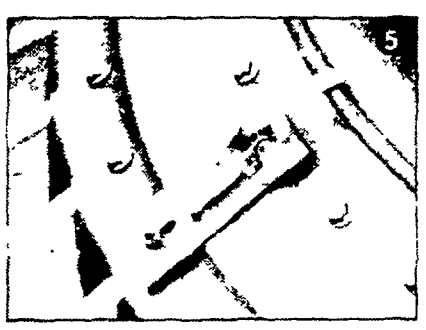

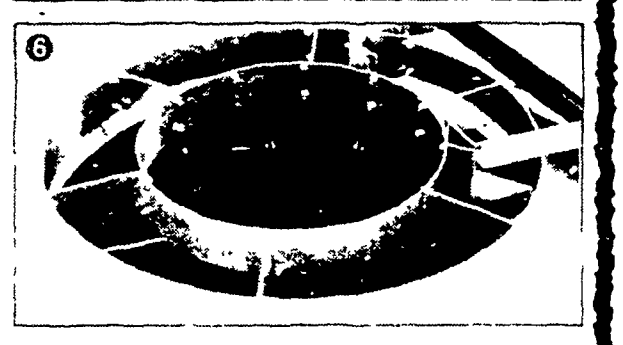

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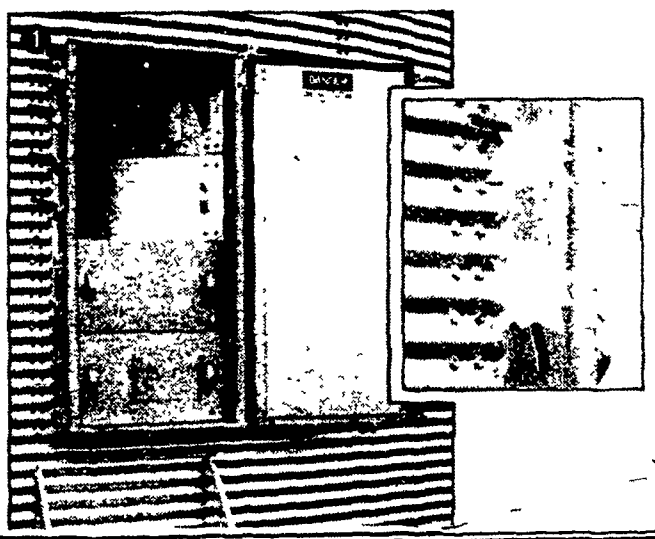

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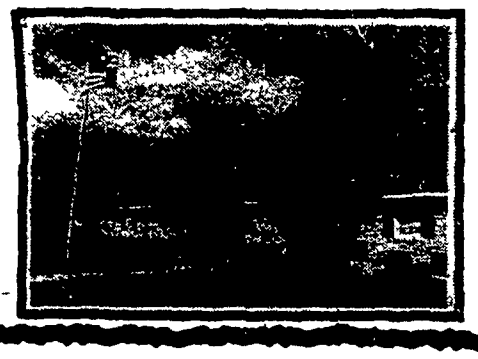

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A.I. technician breeds 100,000th cow

NICKEL MINES — When Robert McDowell told a farmer last week that he had bred his 100,000th cow, the farmer said, "That's a lot of cows." McDowell smiles as he relates the story and says, "I had to agree."

McDowell is a technician for Atlantic Breeders Cooperative and is the first employee to reach the 100,000th first service mark in the Cooperative's 38-year history. While McDowell is modest about the accomplishment, he does acknowledge, "It is a milestone in a technician's career."

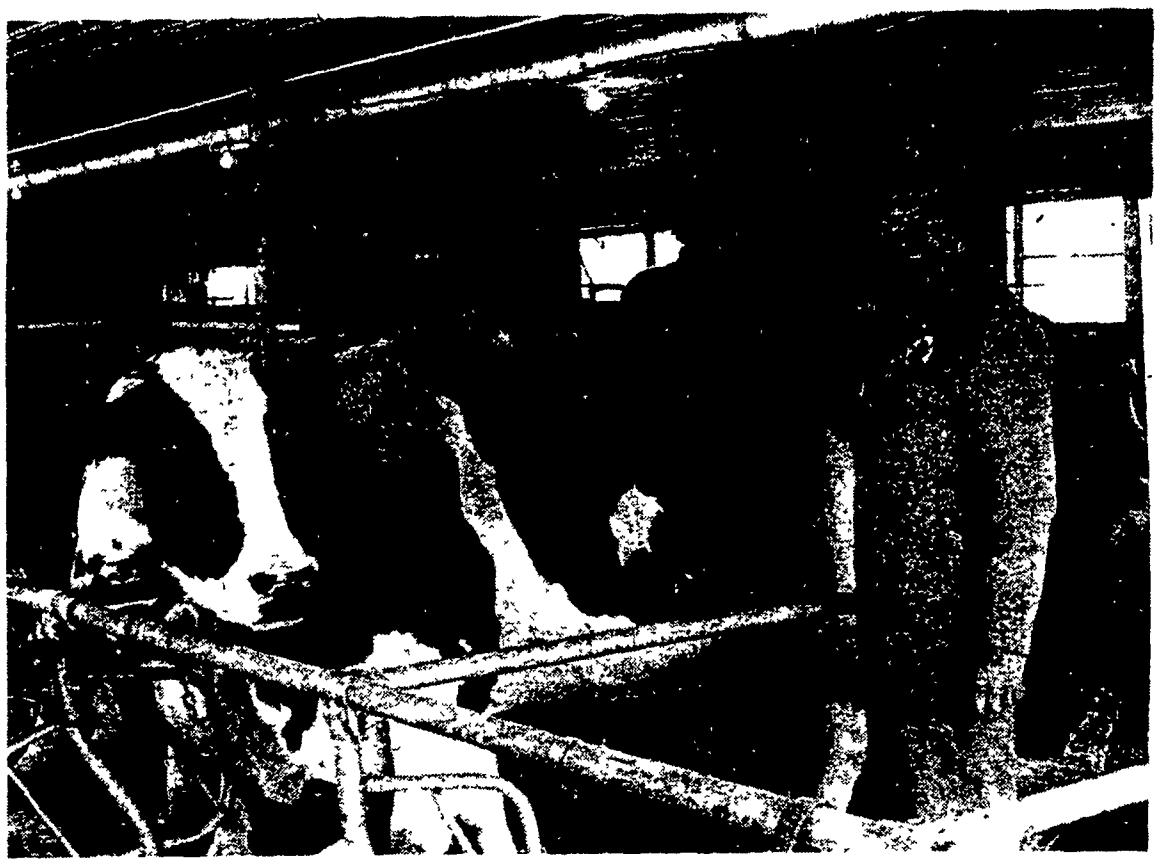
McDowell has been with Atlantic Breeders for 33 years and is a man who is comfortable with his job. He says, "I like the job. It's been good to me." What he likes best about it is meeting people throughout the day. "They are my friends," he says, "It is a little more than just a business relationship."

Being an AI technician means more than just breeding cows. The technician is also a salesman, an accountant, an educator, an advisor, a sire expert and perhaps most important to the dairy producer, a trusted friend.

McDowell says, "It's all sales. What you do and what you say, even when you're not inseminating cattle, is important."

Farmers have come not only to trust his ability but also to rely on his judgement. In the eastern part of the county where mcDowell's unit operates, farmers often ask his suggestions on which bull to use on their cows.

This is when McDowell the educator and advisor goes to work. He doesn't hesitate. "I ask first what the creamery test." Test is important to the dairy farmer, he explains, because they foresee protein testing in the future. "Then I ask how she stands in the herd - if she is in the high, middle or low part of the herd." He says he then considers the cow's conformation, her dairyness and strength, and selects a sire accordingly. "You must know bulls," he states.



Atlantic Breeders' Cooperative AI technician Robert McDowell receives a congratulatory handshake from dairyman Delmar Neff, R1 Christiana. The occasion was McDowell's marking of a company record — breeding his 100,000th first-service cow. Seemingly unsure of her part in this picture-snapping session was Neff's Holstein cow, a Harrisburg Gay Ideal daughter who was bred to Kingway Elevation Very.

Thirty-three years ago when McDowell joined ABC, he recalls, "we used to run arcund with four thermos bottles" full of fresh semen, a one-day supply. Today his car is equipped with a nitrogen tank containing a two-month supply of frozen semen.

McDowell says price is sometimes a consideration for farmers, and they may say to him, "Don't use an expensive bull." He says he also considers if they are planning to raise the calf. He points out that the dairyman is investing in a heifer calf. "If the animal is in the top half of the herd, you can move up in price. I say, 'You want her to have the best heifer possible.'"

Working on heat detection is another part of McDowell's work. He points out that Atlantic does not give free repeat services, so it is to the dairyman's advantage to be sure the cow is in heat the first time he calls. "When a cow repeats, a farmer loses three week's worth of milk." Mc Dowell notes.

One positive change McDowell has observed in his 33 years of breeding is that farmers today do a better job of having cows in good condition. "We have made great advances. There are better cattle now and better feed, and they are handled more kindly," he says.

Being an AI technician means more than just breeding cows. The technician is a salesman, an accountant, an educator, an advisor, a sire expert, and perhaps most importantly to the dairy producer, a trusted friend. McDowell is a firm believer in keeping written records on each cow, farm, etc.

In talking about McDowell, dairyman Amos K. Lantz of Paradise says, "He encourages us when we are discouraged." McDowell counsels the farmers on bulls to boost production, better heat detection, feeding and handling.

McDowell tells dairymen the best time to observe heat is at 7:00 a.m. He also advises them to observe the cattle before that first bucket is rattled in the barn in the morning. "If one is standing and the rest are lying down, chances are she's in heat," he says. He also thinks dairymen should turn their cows out in the evening and observe them, but realizes that is not always possible. The next best thing, he says, is observation in the barn.

Another change in the AI industry over the last 33 years is the heavy competition which exists today, something unknown in the early days when the technique was first introduced. McDowell remembers that he was the tenth employee hired by what was then Southeastern Pennsylvania Artificial Breeders Cooperative.

He recalls, "We didn't have to be concerned about the competition. We were even a little independent. They had to call in by a certain time or we didn't breed their cows that day.

"We used to run around with four thermos bottles." In those days of fresh semen, what wasn't used in a day was discarded. Today McDowell's car holds a liquid nitrogen tank which allows him to carry a two-month supply of semen.

(Turn to Page A32)

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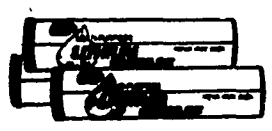

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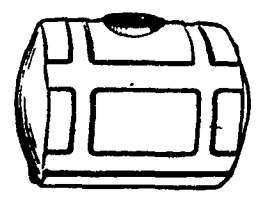

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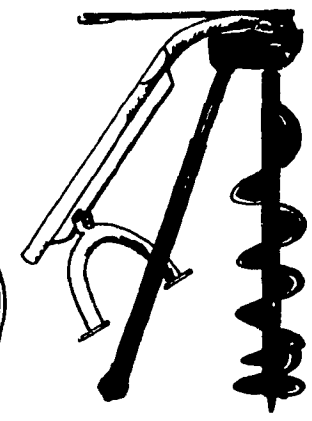

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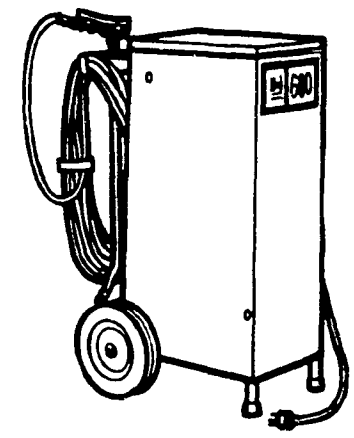

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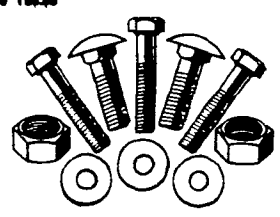

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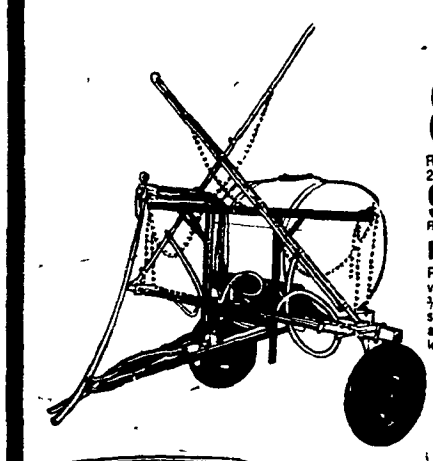

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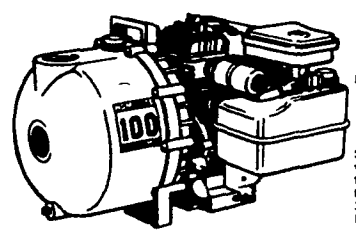

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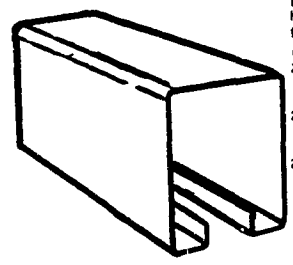

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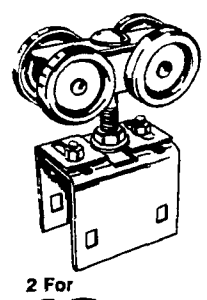

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John Deere RH 14"	8195A	16010-002	8.49
John Deere RH 16"	8196A	16011-002	8.99
John Deere NU 14" or 16"	NU	16086-002	8.79
IHC (S C) 14" or 16"	522325R	16012 002	8.49
IHC (P C) 14" or 16"	515680	16772-263	8.79
Massey-Ferguson 14 or 16	660-020-M91	16013-002	8.39
Massey Ferguson 14 or 16"	475191	16783-263	8.39
Massey Ferguson 88 series 14" or 16		16787-263	8.49
Minn Moline 14" or 16	20P40	16786-263	8.49
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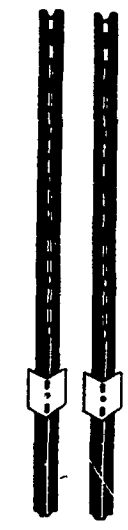
John Deere NU 16	AA14885	16795-263	45 99	40.99
Ford 14	104409	16995-263	36 99	32.99
Ford 16	104412	16997 263	40 99	36.99
IHC Super Chief 14	522328R1	16700-263	33 99	29.99
IHC Super Chief 16	522329	16701 263	37 99	33 99
IHC Super Chief H Speed 14	462313	16800 263	39 99	35.99
IHC Super Chief H Speed 16	462314	16801 263	40 99	36.99
Minneapolis Moline or Oliver 14	R419 14	16766 263	38 99	34 99
Minneapolis Moline or Oliver 16	R619 16	16767 263	41 99	36.99



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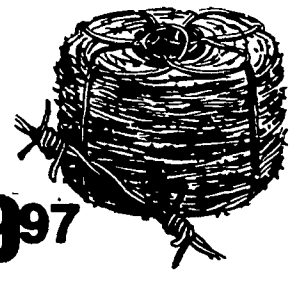

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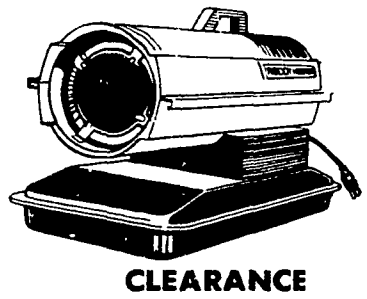

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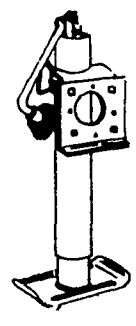

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Artificial potato pinpoints trouble

UNIVERSITY PARK — A potato that can "feel" pain is helping agricultural engineers at Penn State find ways to prevent damage to real potatoes.

"As farmers well know, potatoes can be cracked or bruised — either by mechanical or human handling — during harvesting, shipping or processing. They can even be damaged in storage," says C. Terry Morrow, associate professor of agricultural engineering.

"Our artificial potato helps pinpoint where and how damage to real potatoes occurs. Engineers can then use this information to design machines and methods to prevent the damage."

Developed at Penn State by a research team headed by Morrow and funded by the National Science Foundation, the artificial potato contains electronic and mechanical sensors that detect damage-causing stresses and forces. The potato transmits its measurements to the researchers, who record and analyze them using micro-processors.

With a molded, silicone rubber exterior, Morrow's potato looks like the real thing.

Farmers and machinery manufacturers, he says, will be able to send it through harvesting and processing systems to identify where damage is occurring or most likely to occur.

"In a number of tests using actual machinery, real potatoes and the artificial potato. the artifical potato was very precise in measuring and predicting damage points," Morrow notes.

"In fact, the artificial potato is valuable not only in identifying damage points in existing machinery and systems, but also in helping engineers predict how to design machinery to avoid damage."

The project is part of Morrow's on-going research into the physical and mechanical properties of biological materials. Assisting him with development of the potato was N.D. Halle, a former graduate student who is now an extension agricultural engineer at the University of Maine.

"Just as materials like concrete and steel have points at which they fail due to external forces, so do the biological tissues of fruits and vegetables," Morrow explains. "Our studies — on such agricultural products as apples, potatoes and cereal grains — are intended to detect the relationship between external forces and damage, and predict how to avoid it."

In the potato studies, for example, the Penn State researchers have discovered that smaller potatoes can handle less of a weight load before cracking than larger ones.

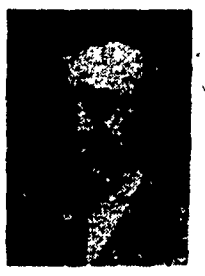
"Because of this, we recommend that potatoes be sorted by size before being placed in storage containers. This can prevent smaller potatoes from ending up on the bottom of the pile, where they are more likely to crack," Morrow says.

In some cases, he observes, the shape of storage containers or bins can play a crucial role in preventing damage to the potatoes.

"Depending on the size and shape of the potatoes being stored, it might be desirable to have sloped rather than vertical sides to remove some of the weight load from the potatoes on the bottom," Morrow explains.

In other cases, machinery may move potatoes too fast and bump them around with too much force.

In all cases, however, the Penn State artificial potato is willing to take the pain for the benefit of its real brothers.



Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

Deductible Expenses

Farmers usually remember the usual expenses such as feed and fertilizer. The ones that are missed are: business share of car expenses; interest that was added into a loan because it was delinquent or just accrued; office supplies such as stamps, envelopes, pens; work and show clothes; indirect advertising such as furnishing trophies to shows; and farm related conventions, seminars, or tours. Be ready to document these expenses, especially if you take a trip to Hawaii.

Capital Gains

Items that are eligible for long term capital gains treatment have a definite advantage. The maximum tax you will pay on the profits from these items is 20 percent.

Some items would be eligible for long term capital gains treatment if they were owned long enough. The profit from the sale of these items would be a short term capital gain. It is taxable at the regular rate but is not subject to social security taxes nor does it reduce social security income. A good example of this would be dairy heifers under 2 years of age sold for dairy or breeding purposes.

Investment Credit

A major decision to make concerning investment credit is: "Do I take the $5,000 capital expenditure as an expense and forgo the investment credit or not?"

The answer depends on: your tax bracket; carryover of prior year investment credit; effect of income averaging; effect of the alternative minimum tax; and forecast of 1983's taxes.

One thing to consider: investment credit cannot be saved if you have income taxes due. However if the alternative minimum tax causes you to pay extra taxes you do not lose that investment credit.

Example: You have an income tax of $5,000. You also have $5,000 worth of investment credit so your actual income tax is $0. However, because of some extraordinary cow sales you have a minimum tax to pay of $2,000. Since that $2,000 negated $2,000 of the investment credit, you really did not use that amount of credit. You can now use that credit to carry back or forward for use in another year (up to 15 years forward).

Dual Expenses

Some expenses are a result of personal and business use. Examples are car expenses, real estate taxes and insurance which include the house, electricity, telephone, and possibly some hired help. Be reasonable when allocating these expenses. It is fairly obvious that a family with one car and two teenage drivers probably uses that car more for personal use than the family with no teenage drivers.

Real estate taxes and casualty insurance could be apportioned in relation with values set on the house as opposed to the total farm. Liability insurance would probably be greater on the business side versus personal than casualty insurance. An electrically-heated home would have more personal use electricity than one using some other type of heat.

Meetings explain changes in Del. soil tests

NEWARK, Del. — A series of meetings will be held in Delaware next month to explain recent changes in the University of Delaware soil test laboratory's program for commercial crops.

A meeting is planned for fertilizer representatives on Tuesday, Feb. 1, from 9 to 12 noon at the Capital Grange in Dover. This will be followed by three evening meetings for farmers on Tuesday, Feb. 8, from 7 to 9 p.m. at the Capital Grange in Dover; Tuesday, Feb. 15, from 7 to 9 p.m. at the University of Delaware Substation near Georgetown; and Wednesday, Feb. 16, from 7 to 9 p.m. at the Silver Lake School in Middletown.

Soil scientist Leo Cotnoir says the purpose of the meetings is to discuss the philosophy of the University's soil testing laboratory and acquaint commercial fertilizer dealers and farmers with changes being made in recommendations and reporting procedures.

"There has been no change in our soil test philosophy," says Cotnoir. "We still consider testing a production tool for optimizing yield and maximizing profit. But we have revised some of our recommendations to bring them up to date with the latest available research."

Changes have also been made in the information requested from farmers when they submit soil samples for analysis. "We're trying to encourage them to take a closer look at all the factors involved in producing their crops," Cotnoir says. This includes soil type, yield goals and production practices.

"Our report forms have a new look," he says. "They've been changed to encourage users to look more closely at their own farming practices and base fertilizer decisions on these." The reports will be accompanied by fact sheets designed to make growers more aware of their fertilizer options, in the interest of greater cost effectiveness.

The meetings are open to everyone regardless of race, color, sex, handicap, age or national origin. For further information, contact Extension offices in Newark 302/738-2506, Dover 302/736-1448; and Georgetown 302/856-5250.

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Mason-Dixon P. Hereford plans field day, sale

SWANTON, Md. — At the last meeting of the Mason-Dixon Polled Hereford Association plans were made to hold the annual meeting and field day at Flat Stone Lick farm, Route 1, Marianna, on Saturday, June 4, 1983.

Dr. Leslie P. Midla, manager of the farm and a member of the board of directors will serve as chairman of the event. The program will feature "The Importance of Fertile Females in the Cow Calf Operation."

The Spring Sale will be held on Saturday evening, May 14, 1983 at 7:30 p.m. Plans also are progressing to hold the MDPHA first annual show as a part of the Greater Cumberland Fair the first week in August.

The Mason-Dixon Polled Hereford Association is now composed of about seventy registered and commercial cattlemen in the states of Maryland, Pennsylvania and West Virginia. Individuals desiring more information about the organization should write Mrs. Brenda Jenkins, secretary, Star Route, Box 35, Friendsville, Md. or Dr. William H. Buser, P.O. Box 3025, Swanton, Md. 21561, or call 301/746-5321 or 301-387-6930.

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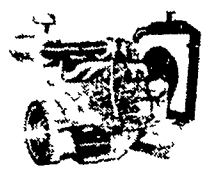
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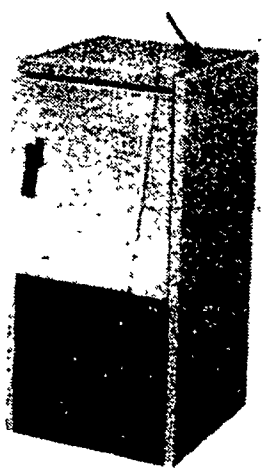
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Delmarva corn, soybean conference set

NEWARK, Del. — To get through the next crop year with a profit, grain farmers must make some top-notch management decisions in the months ahead. This means fine-tuning every aspect of their operations.

"We're trying to show growers how they can get the most out of their production dollars, no matter what cropping system they use," says University of Delaware Extension agricultural agent Dave Woodward. He's on the planning committee for the upcoming Delmarva Corn and Soybean Conference, which takes place Thursday, Feb. 3, at the Wicomico Youth and Civic Center in Salisbury, Md. Theme of this years's conference is "Back to Basics."

Close attention to detail will improve growers' chances for success in 1983, Woodward says. For example, in the area of soil fertility, he advises taking careful; samples, getting these tested and then following recommendations based on test results.

"University of Delaware fertilizer recommendations are based on years of research and it pays to follow them," the Kent County agent says. "If tests show you have abundant potassium or phosphorus, this is the year to draw on these reserves, just as you would money in a bank account. If you do need fertilizer, we suggest you follow the university's placement recommendations-especially with starter fertilizer." In other words, fine-tune your fertililty program.

"For people with poultry and livestock, we think this is the year to have the manure tested and calibrate your spreader," Woodward says. Few farmers are doing this now, but it can pay off in considerable savings. "When the manure is analyzed, you may find that only four tons of wet cow manure an acre, for example, will supply the recommended nutrients, instead of the 20 tons you were planning to apply." It may also mean you don't have to buy any extra fertilizer.

The first part of the program at next month's Corn and Soybean Conference will deal with just such economies, as a panel of experts from Delaware, Maryland and Virginia talk about "How to Get the Most Out of Your Fertility Dollar."

Integrated pest management is another way of cutting costs. This approach to insect, disease and week control is based on the concept that you don't apply pesticides unless the problem is already present at a level likely to affect yield. "This permits you to save money by not using materials that aren't needed to produce a good crop," Woodward says. "Again, it boils down to doing a better job of managing inputs - getting back to the basics."

During the conference, two Vienna, Md. farmers will tell how they use pest management in their farming operations.

When it comes to selling their grain, many growers could do a much better job. "I think a lot of people will spend time comparing bids on their fertilizer and pesticides to save a few bucks," Woodward says. They may be able to save $5 or so an acre doing this, but when it comes to selling their crops, they do a lot less shopping around. "By knowing what it costs to grow a bushel of corn or soybeans and then forward pricing based on this, a farmer may be able to make a much bigger profit," he says. "For example, if you can make 25 cents more on a bushel of corn by forward pricing, at 100 bushels an acre you've made $25 additional income."

Two of the major speakers at the conference will talk about grain market decision-making. One of them, Carl J. Heinisch, is vice president of agri-finance at a bank in DeKalf, Ill. The other, W. Glenn Tussey, assistant director of national affairs for the American Farm Bureau Federation, is an authority on foreign trade.

Planning will be critical this year in all areas of production and marketing, Woodward says. He urges area farmers to attend the conference so they can pick up more ideas on how to make farming pay for them in 1983.

The meeting is sponsored by Delmarva agribusinesses and the Cooperative Extension Services of Delaware, Maryland and Virginia. It is open to everyone regardless of race, color, sex, handicap, age or national origin. Lunch tickets are available free from county extension offices in all three states, as well as local agricultural firms. Doors will open at 8:30 a.m. for coffee and donuts and a visit to trade exhibits and equipment displays.

As an indication that this may be the year to fix up old equipment and do some preventive maintenance, a farm welder and shop bols worth a total of $500 will be given away as door prizes at the nd of the program.

No comparing no-till in Md.

COLLEGE PARK, Md. — No-tillage cultivation methods are gaining popularity on Maryland farms, but research agronomists are still writing the book there on agriculture's state-of-the-art planting technique.

V. Allan Bandel, agronomist for the University of Maryland Agricultural Experiment Station has received a $3,000 grant to compare fertilizer application methods in his three-year study of no-till versus conventional-till cultivation in Maryland.

Although researchers generally agree no-till can outstrip conventional-till corn yields under the right conditions, they are still experimenting with methods to determine exactly what those "right conditions" are, said Bandel.

No-till is less labor-intensive than conventional-till and involves planting a crop directly into the unplowed stubble of a previously harvested crop. However, a no-till crop generally requires some additional nitrogen fertilizer and herbicides to push yields above those for conventional-till.

In this year's test plots at MAES' Wye Research Center, Bandel said he will compare nitrogen fertilizer application methods across both methods of cultivation.

"We know that, under most circumstances, dribbling nitrogen fertilizer solution is better than broadcast spraying," said Bandel.

"And we know that injecting nitrogen fertilizer solution is better than broadcasting.

"But we don't know how injection compares with dribbling," he said.

The comparison for Maryland farmers could be important, according to Bandel.

Supplies of fertilizer, especially nitrogen, are becoming increasingly expensive.

Injecting nitrogen fertilizer is a highly efficient method of application, according to Bandel.

However, injection disturbs the soil around crop roots and may produce some adverse effects such as topsoil erosion.

Dribbling fertilizer, on the other hand, does not disturb precious topsoil. And it places the nitrogen solution closer to the plant roots than broadcasting.

But, as its name implies, dribbling takes time to "dribble" down to the crop's root system.

"What we have here is a series of trade offs," said Bandel.

"Our research this year may help us determine which method works better and costs the farmer less," he said.

Funding for Bandel's $3,000 grant comes from the Delmarva Poultry Industry Inc.

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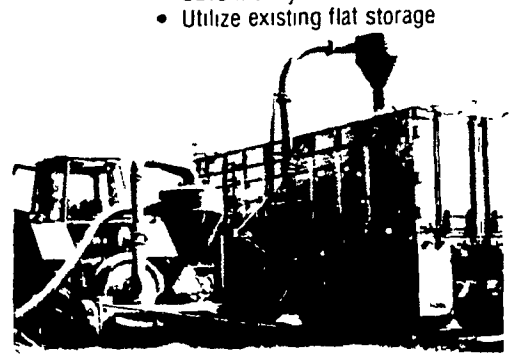

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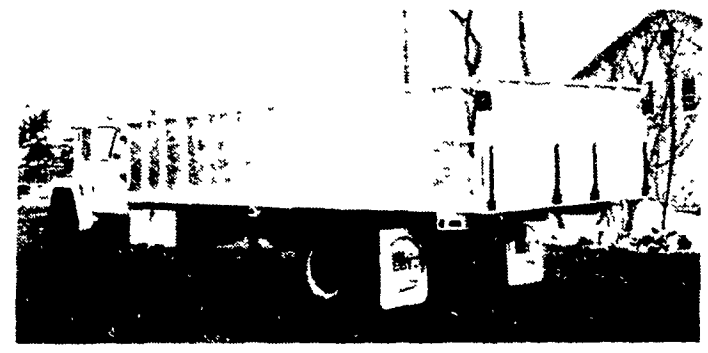

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AI technician

(Continued from Page A28)

A technician's car is his home and his office for many hours a day, and it is filled with all the necessities of his trade. In addition to the tank and his technician's kit, he carries a bucket and brush for washing boots after each visit, a scrap bucket, a box for spent rods and a supply of rods and sleeves both for himself and for farmers wishing to purchase them. He also carries barn charts, and literature for those who want information on specific bulls.

McDowell averages about 90 miles a day, with afternoons being the busiest time for him. He checks in with headquarters each evening to get the early morning requests for service, then again at 8:30 a.m. and again at 11. By now, he knows his territory well, and can drive to almost any farm without checking the address or location. Once he gets the names, however, he goes over them and organizes his itinerary for the most efficient route.

When McDowell first arrives on a farm, he checks to see if the cow is there and if a certain bull is requested. He laughingly says the most important way a farmer can help a technician is to have the cow in the barn and marked. If a certan bull is not requested, Mac talks it over with the farmer and they decide which bull to use. At that oint the semen is taken from the tank, carefully recorded, and put into a thaw unit which must be kept at 95 degrees for optimum conception. McDowell says, "There are not short cuts. What they tell you is the way to do it."

A bucket of warm water and his kit are then taken to the barn where the semen is inserted in a rod and Mac prepares the cow. Once the insemination takes place, McDowell must keep careful records, making a receipt for Atlantic and the farmer and marking the barn records.

At that point he sanitizes his boots, makes any notes and takes off for the next location. He says, "If you want to remember you better write it down."

McDowell says he doesn't worry about farm dogs or even cows kicking him, saying, "Before they kick they send you signals that they are nervous." For nervous cows he appreciates a farmer being on hand to stand near them.

If it were up to him, McDowell says there wouldn't be any bulls on farms. Of course, he stresses he can provide service more reliably and cheaply, but he points out, "They're dangerous animals for one thing. And farmers are losing money on bulls. The offspring cannot be like what he'd get from one of our sires. There is no chance of them being so good. I've been preaching that for years and years."

Spending time with him as he travels from one farm to another to inseminate cows, it becomes obvious that the dairymen whom he serves respect this soft-spoken, genial technician. Amos K. Lantz, Paradise, put it this way, "He encourages us when we are discouraged." Several others express their appreciation for the service he provides.

At several stops he takes time to discuss potential breeding problems, and offers suggestions. One young farmer wants to talk about using lutalyse, and the proper time to call the technician. To each McDowell replies with assurance from his years of experience on the job. He says later, "It always help to have faith in your work."

When he has bred all the cows requested in one day he often spends time visiting prospective dairymen, explaining what he can offer to improve their herd. He figures a technician and the selection of bulls is one of the most important parts of dairying, offering a good tool to improve any herd.

McDowell was raised on a dairy farm near New Hope, then worked with the dairy herd and creamery at Rutgers, with bried work at importing Jersey cows and milking at a commercial dairy on Long Island. But for the last 33 years he has been serving the dairymen of Lancaster County, helping make improvements in the dairy industry.

As he says, breeding the 100,000th cow is just a milestone. He will continue driving the roads of the county, visiting with the farm families he has come to know and care for, and providing a valuable service to dairy farmers. —S.B.B.

During his 33 years with ABC, breeding cows throughout Lancaster County, McDowell has sloshed a lot of sanitizer across his boots. His concern for each farmer and the health of his cows is reflected in McDowell's sentiments: "It's a little more than just a business relationship."

I-S Districts elect officers, honor members

SOUTHAMPTON — Inter-State Milk Producers' Cooperatives continued their annual meetings this week, as District 3 members met at the Chestnut Level Presbyterian Church, Chestnut Level on Tuesday.

District 3 Director and Inter-State President Robert B. McSparran presented three members with awards recognizing five consecutive years of participation in Inter-State's Cost of Production Study. Receiving the awards were: Robert S. Housekeeper, Peach Bottom; Willis M. Martin, Nottingham; and Ed W. Zup, Jr., Peach Bottom.

Four members received awards for 25-year memberships. They were: Elmer Weber, Peach Bottom; Lester Wiker, Rawlinsville; K.D. Linde, Oxford; and Alfred Overly, Quarryville.

Inter-State's District 12, which met last Friday in Quarryville, announces the following election results:

Christiana Local - Charles L. Groff, Kinzer, president; Gilbert S. Martin, Paradise, vice president; Allan D. Rohrer, Paradise, secretary-treasurer; Delegates - Joseph L. Fisher, Ronks; C. Nevin Hershey, Ronks; and J. Ray Rank, Paradise; Alternate Delegates - Calvin D. Beiler, Paradise; Christ F. Beiler, Ronks; Ivan Bowman, Jr., Ronks; Roy C. Neff, Paradise.

Quarryville Local - Willis B. Krantz, Quarryville, president; P. Robert Wenger, Quarryville, vice president; Robert H. Kreider, Quarryville, secretary-tresurer; Delegates - David E. DeLong, Quarryville; Herbert H. Graybill, New Providence; Robert C. Groff, Quarryville; Karl W. Herr, Kirkwood; Richard P. Maule, Quarryville; John H. Myer, Quarryville; and Steven C. Neff, Quarryville; Alternate Delegates - Kenneth W. DeLong, Quarryville; R. Edwin Harnish, Christiana; Robert G. Hershberger, Quarryville; A. Dale Herr, Kirkwood; Donald G. Herr, Quarryville; Willis B. Krantz, Quarryville; and James G. Kreider, Quarryville.

The following members were elected for hauling committees:

Edgar M. Herr committee - Robert C. Groff, Lloyd C. Welk, and Charles H. Rohrer.

Cantey committee - Levi Esh, Christiana; Kenneth R. Murphey, Quarryville.

Dale Grahm committee - Amos B. Beiler and Melvin K. Zook, Christiana; John S. Kauffman, J. Robert Metzler, and Amos E. Stoltzfus, Quarryville.

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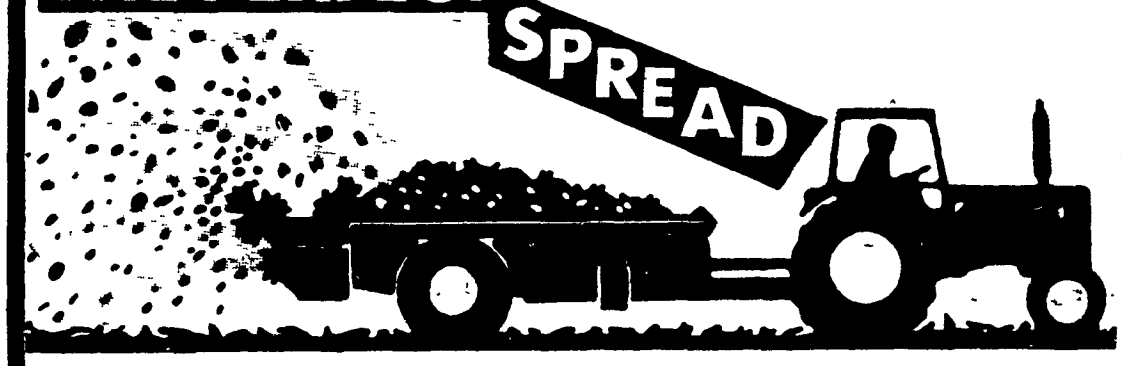

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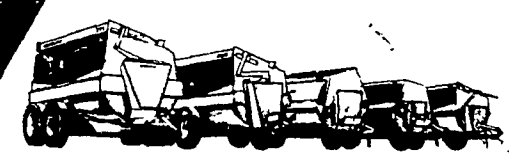

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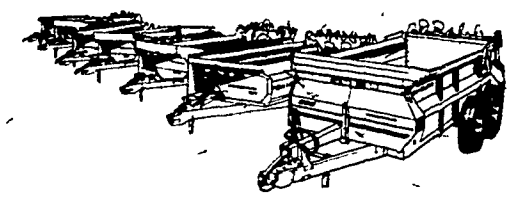

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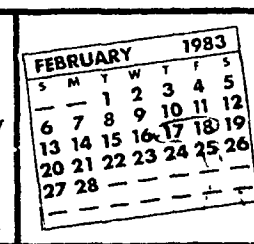

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Delmarva meeting looks at vegetables

ANNAPOLIS, Md. — Farmers on Delmarva interested in spreading their risk, changing their cash flow, or just plain trying their management and growing skills in a new area should check off Feb. 8 on their calendar. That's the date of an all-day meeting on vegetable marketing prospects.

The session, "Vegetables in 1983", sponsored by the Delaware and Maryland Departments of Agriculture, the Cooperative Extension Services of both Delaware and Maryland, the Peninsula Horticultural Society and Delaware Vegetable Growers Association, will be held at the Seaford, De. Firehall, Pine and King Streets, Seaford.

Farmers on Delmarva as well as throughout the entire nation, are forced to take stock of their options these days due to increased production costs and stagnant markets for many commodities.

Maryland Secretary of Agriculture Wayne A. Cawley Jr. says "Vegetables offer local farmers many opportunities worth thinking about.

"Some of them are: you can start out small with just a few acres, you can stretch your harvest and cash income times over a period beginning in the early spring with spinach all the way through to the late fall with pumpkins and turnips. You can sell some, or all, of your production right on the farm direct to consumers through pick your own or roadside stand operations. You don't need specialized new equipment for many vegetable crops. And you can use to your advantage in that urbanization brings with it customers by the groves," said Cawley.

Cawley will join with Delaware Secretary of Agriculture Donald Lynch in attending and addressing the meeting which is scheduled to get underway at 9 a.m. and last through until late afternoon.

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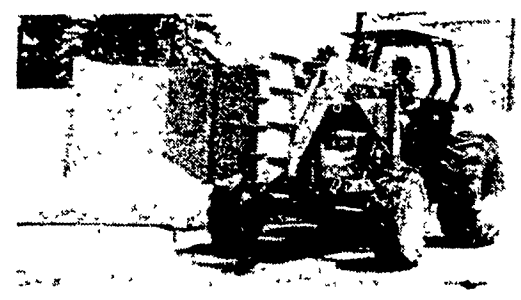

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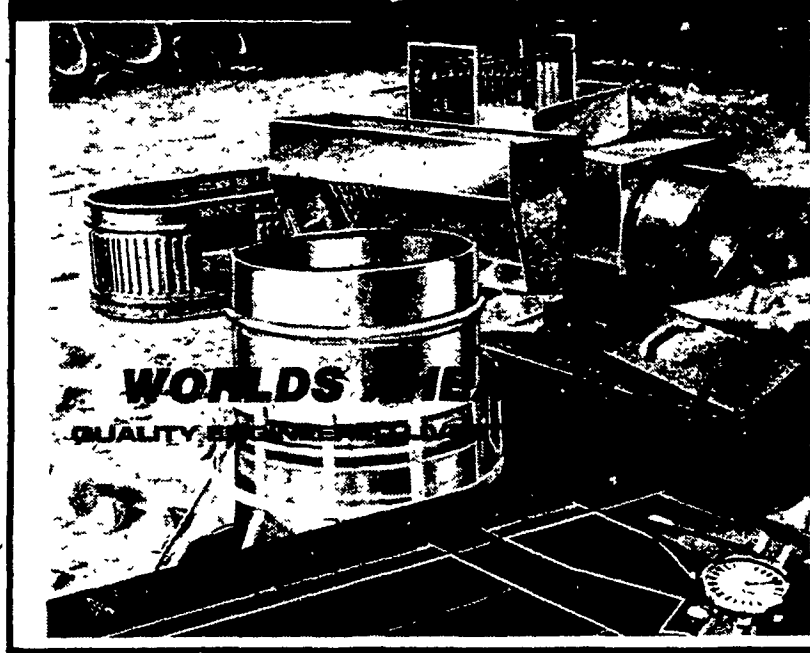

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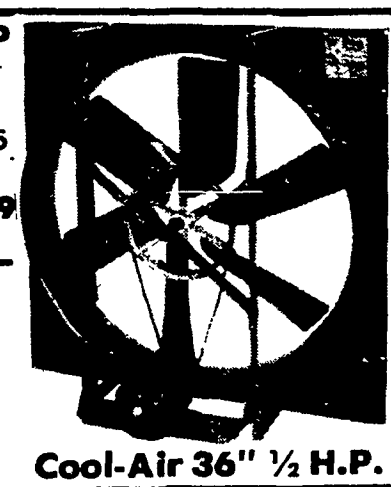

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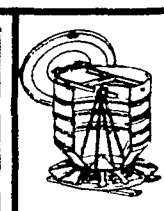

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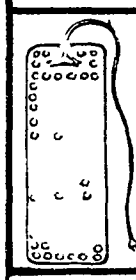

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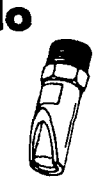

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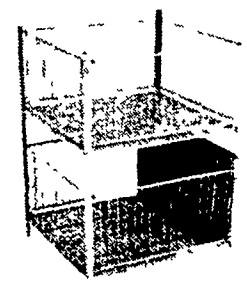

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Pa. Farmers' Union convention Feb. 1-2

HARRISBURG — Pennsylvania Farmers' Union's annual state convention will be held at Hotel Hershey, Feb. 1 - 2. Over 200 locally elected delegates will be considering and adopting organization policy on farm issues, according to PFU President James Brown.

Banquet speaker Tuesday evening will be Minnesota Congressman James Oberstar, who will be leading an effort in the U.S. House of Representatives to replace the milk producer levy, passed last year, with a milk surplus reduction plan that will permit the family dairy farmer to survive.

The 5th-term congressman had introduced a National Farmers Union-backed bill last spring which would have combined a milk production reduction plan with price incentives, allowing the average small farmer to meet expenses and make a modest profit. The Oberstar bill was rejected in favor of the two-tier $1 a hundredweight producer levy now in place, during hectic maneuvering on the Budget Reconciliation bill last August.

Other speakers include Dr. Jon Wefald, chancellor of the State University System of Minnesota and formerly the state's secretary of agriculture. Wefald's address on Wednesday morning will examine the crisis in American agriculture in the context of American and world economic conditions and U.S. government policies, including international trade.

Pa. Secretary of Agriculture Penrose Hallowell, Senators Ed Helfrick and Patrick Stapleton and Representatives Samuel Morris and Roger Madigan will cover highlights of farm related state government issues for the convention delegates. The participating legislators are agriculture committee leaders.

Another highlight of the Farmers Union convention will be a panel on farm organization coalitions with other groups. Panelists are Pa. AFL-CIO President Julius Uehlein; Pa. State Education Association Associate Executive Director Roger Erskine; and Pa. Citizens Consumer Council Chairwomen Jean Ann Fox.

Yesterday's farmers were energy managers

UNIVERSITY PARK — Alcohol production in pot stills was a process known for generations before it was thought of as a possible alternative for the '80s. Solar energy was used to dry crops and corn cobs were burned to warm pigs long before energy analyses were used to confirm such benefits.

Most rural residents grew up knowing how to cope without electricity or liquid fuels for days at a time.

"Farmers applied energy logic more often than they applied fertilizer," says Jim Garthe, Penn State Extension agricultural engineer. They were energy managers without ever having heard the word.

USDA was involved in biofuels potential and in the energy conversion process long before OPEC was a household acroynm. Fuel energy values were not important when energy was cheap.

Garthe says that has changed now. Agricultural Energy Centers were established under the 1977 Flood and Agriculture Act to coordinate the energy component of USDA's projects with other organized research. The basic goal of the Centers is to discover, develop, and demonstrate technology which will permit agriculture to become energy self sufficient on a net basis under conditions which will sustain productivity.

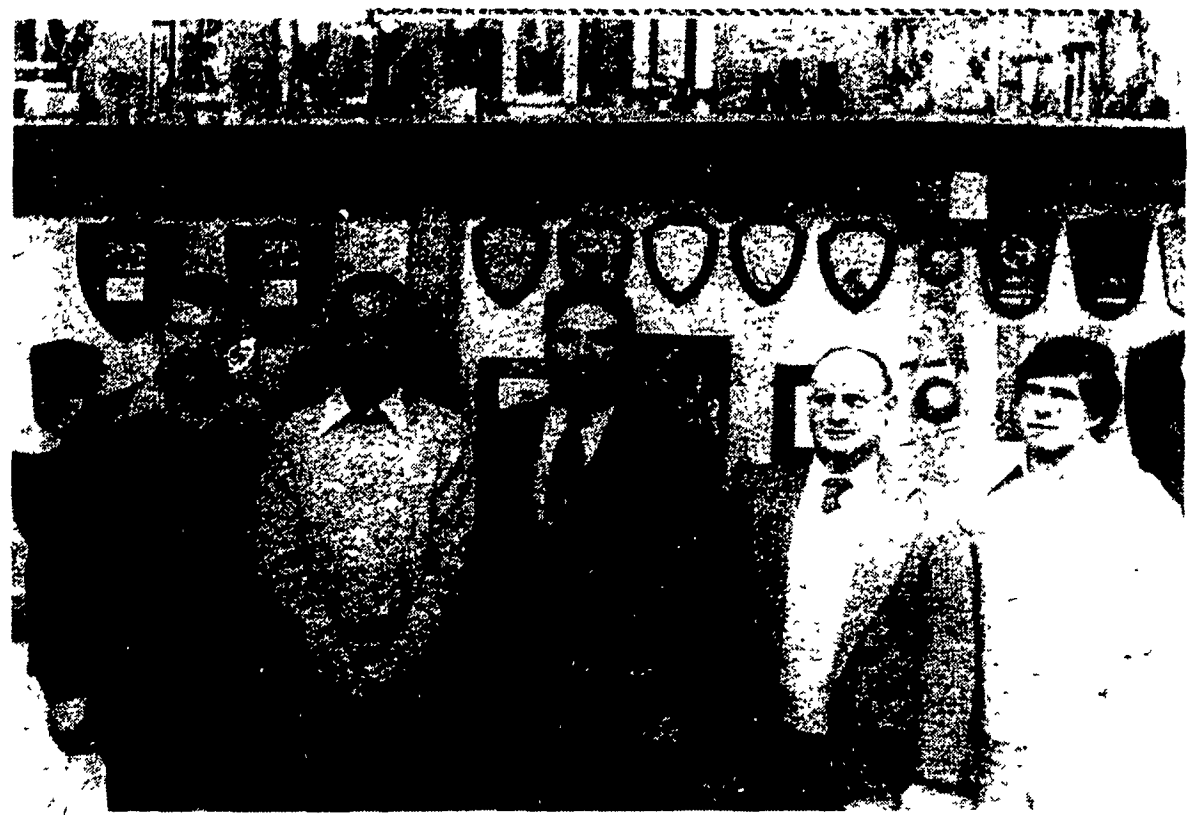
The Northern Agricultural Energy Center is located at the ARS Northern Regional Research Center in Peoria, IL. This laboratory is well known for basic research on corn, soybean, and cereals; germ plasm culture and fermentation; grain proteins and vegetable oils. NAEC is organized to gain new knowledge of the chemical and physical properties of agricultural materials building on the fundamental knowledge of chemical, physical, and biological sciences.

The Energy Center emphasizes production of crops for energy, conversion of plant biomass to liquid fuels and petroleum sparing chemicals, identification of potential energy crops, and evaluation of vegetable oils as diesel fuels.

Breakthroughts in agricultural energy are not expected to come frequently nor to be of great magnitude because the easy technology is already in place. Since its beginning, agriculture has been the industry which managed natural resources for the production of food and fiber. A growing crop is a botano-chemical factory where photosynthesis combines simple chemicals into energy products.

Farmers are not only custodians of soil but are experienced managers of all production resources including energy. Market economics never allowed them to fall behind the state-of-the-art of applying these resources effectively, or they were soon making their living in some other way.

The USDA Agricultural Energy Centers will be involved with all new technology to modify, convert, or use the energy content in plant materials. They will translate basic research and extend the findings for practical application.



Standing in front on numerous awards of Ephrata Young Farmers Association are new officers, from the left, Ira Martin, president; Tom Bollinger, vice president; Kenneth Hertzog, secretary; Ray Bollinger, treasurer; and Jim Hess, public relations director.

Ephrata Young Farmers to install officers

EPHRATA — The new slate of officers of the Ephrata Area Young Farmers Association will be officially installed at the chapter's annual banquet next Saturday night at the Mt. Airy-Durlach Fire Hall.

Heading the new officer slate as president is Ira M. Martin, steer farmer, 1967 W. Main St., Ephrata.

Other officers include Tom A. Bollinger, dairy farmer, R4 Lititz, vice president; Kenneth B. Hertzog, beef farmer, R2 Ephrata, secretary; Ray P. Bollinger, dairy farmer, R1 Stevens, treasurer; James D. Hess, beef and poultry farmer, 825 E. Newport Rd., Lititz, public relations director.

The new officer team will be installed by Henry E. Givler, vo-ag consultant, at the annual banquet which begins at 6:45 p.m. next Saturday.

Other features of the banquet program planned by retiring president Clark Stauffer and the other outgoing officers include special appreciation awards, greetings from the Cloister FFA and the Pennsylvania Young Farmers Association.

In addition to production achievement awards and the awarding of door prizes, the evening's entertainment will be provided by the Joyful Strings.

The menu features baked ham with pineapple sauce and all the trimmings prepared and served by the Ladies Auxiliary of the Mt. Airy-Durlach Fire Company.

Serving as hostesses will be Mr. and Mrs. Earl F. Smoker and Mr. and Mrs. Vernon Leininger.

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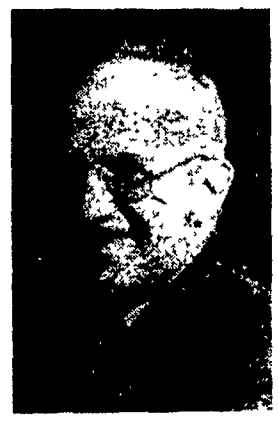

TOM JURCHAK
County Agent

Now What

Keeping the 50 cents in your milk check may be a small consulation for the adjustments you may have to make this year. Right now no one knows what lies ahead and the uncertainty is what can drive you up the wall even worse than taking 50 cent cut if you could have been sure that that would have been the end of your problem.

The lame duck session of Congress didn't have time to consider new dairy price support legislation. One of the things it did pass was a five cent increase in the gas tax and increases in license fees to save the interstate highway system and create some jobs. You may not think that has anything to do with milk marketing but consider who hauls your milk from farm to market.

Hauling farm products (including milk) is not regulated (at least as far as setting rates) in interstate commerce so it becomes the principal business of independent haulers rather than the larger freight moving companies.

With the independent haulers threatening strike the end of January because of the tax and fees increases there may be a lot of milk left in bulk tanks at the farm. Everyone hopes it won't happen but the memory of the last haulers strike is still fresh in the minds of northeastern Pennsylvania farmers and they're worried.

Congress Convenes

About the same time the truckers threaten to strike, Congress returns for its next session. They're aware of what they provided for dairy price supports in the last session and what has happened since, including the law suits. They generally felt that they were being considerate and even generous in what they provided in the last session in view of a lack of unity in the dairy industry.

Now they're being blamed for all the problems and being asked to come up with a new solution. Unless there's more concensus this time in the industry than there was last year, I'm afraid the cost will be higher than 50 cents.

DHIA contributes to Ag Arena

The Pennsylvania Dairy Herd Improvement Association, in memory of the late Dexter N. Putnam, retired Extension dairy specialist, contributed $6,194 to the Penn State Ag Arena Fund last week at the organization's board meeting on the University Park Campus. From left: Oliver Butler of R7, Wellsboro, DHIA president; Mrs. Putnam of State College; Samuel Smith, dean of the College of Agriculture; and Phillip Dukas, director of the Penn State DHIA program. The contribution represents one dollar for every herd enrolled in the program. Contributions to the fund currently total $650,000 of the $900,000 goal. The facility will be used for student activities and statewide shows and sales.

Md. scientists develop alternative to surgical boar castration

COLLEGE PARK, Md. — University of Maryland animal scientists believe they have found a stress-free alternative to surgical castration of young boar pigs raised for pork production.

A large daily dose of synthetic hormone - called an LHRH - blocks the production of the male hormone testosterone and decreases levels of another substance - the steroid androstenone - in the blood stream of mature boar pigs, according to the scientists.

The presence of androstenone in the body fat of boars causes their cooked meat to take on an unpleasant smell and taste, called "boar taint," according to scientists Douglas Greger, W. Ray Stricklin and Monica Haaland of the University of Maryland.

To overcome that problem, pork producers commonly castrate boar pigs, Stricklin said.

In addition to reducing stress to the animal and decreasing labor inputs by pork producers, Stricklin pointed out there are other advantages to using the LHRH agonist over castration.

Uncastrated boars are leaner, gain weight faster and more efficiently than castrated pigs, called "barrows," according to Stricklin.

The hormone injection method, he said, requires additional testing to determine how it affects boar growth and the development of boar taint in meat before it can be adopted by pork producers as an alternative to surgical castration, Stricklin said.

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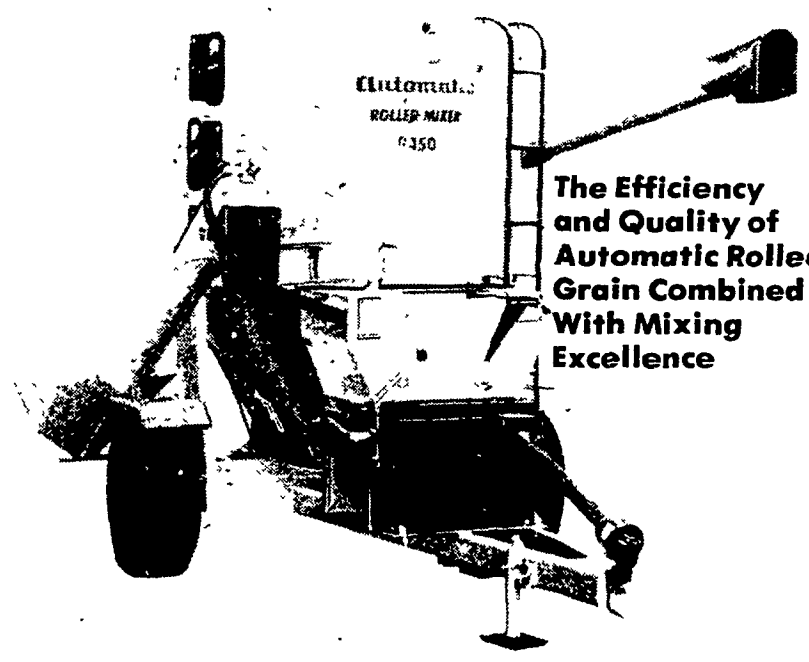

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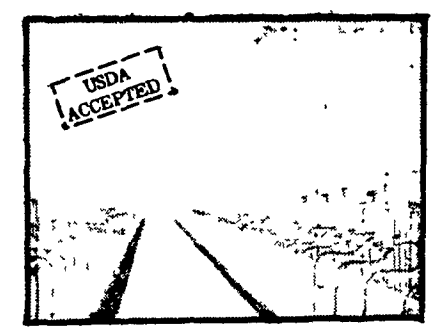

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Hofstad says ag faces dual challenge in '83

HONOLULU—Ralph Hofstad, chairman of the National Council of Farmer Cooperatives, said last week that U.S. agriculture faces the dual challenge of correcting supply-demand imbalances and strengthening its competitive position abroad during 1983.

Speaking at the NCFC's 54th annual meeting, Hofstad noted that while workable production constraints provide part of the answer, we must also make more widespread use of excess agricultural supply.

"Government feeding programs that emphasize high protein diets," he declared, "would help utilize present stocks of feed grains and firm up prices."

The Land O'Lakes president also stated his concern over falling U.S. agricultural exports-the first in 13 years. He said NCFC's Blue Ribbon Trade Committee, after an assessment of the situation, will be making recommendations on ways to regain our competitive position abroad.

Hofstad said needed changes include: restoration of a sensibly-valued dollar; reduction of foreign barriers that unfairly hinder U.S. exports; insuring that our public and private sectors are working together to chart a course for competing with countries that are using export subsidies; and making sure that we never again revert to an export control policy that drives business elsewhere.

The cooperative leader also called for creation of effective coalitions of agricultural producer organizations. He added that establishment of the Farm Credit Council, a political action body for cooperative lenders, was the beginning of just such a coalition.

Hofstad emphasized, as he did in 1982, that the NCFC is well-suited to bring groups together in effective coalitions. "It bridges all political parties. It is associated with no specific commodity area. It represents no special interests other than the interests of farmers and ranchers in national and international legislative matters. And, its reputation for integrity and credibility is impeccable."

National Council President Gary D. Myers alerted his members to priorities and challenges facing them during 1983.

Topping the priority list is NCFC's Market Enhancement Program, which would authorize the Secretary of Agriculture to use CCC inventory to encourage additional commercial export sales. Myers added that NCFC will also be working with Congress and the Administration to gain additional export sales of CCC-owned dairy stocks.

The NCFC president said his organization is prepared to meet Office of Management and Budget threats to citrus and tart cherry marketing orders, as well as a Small Business Administration study of marketing order impact on small growers and processors.

Myers added that NCFC will also be working for extension of Federal Trade Commission prohibitions on marketing orders and farmer cooperatives; opposition to any Administration moves against the Farm Credit System; and participation in the debate to remove barriers inhibiting natural gas prices from coming back to realistic levels.

During the business session, NCFC delegates elected the following slate of officers for 1983: Chairman Roger J. Baccigaluppi, president and chief executive officer, California Almond Growers Exchange, Sacramento, CA.; Vice Chairman Ben F. Morgan, executive vice president and general manager, Dairymen, Inc., Louisville, KY.: Vice Chairman John F. Anderson, president, Farmland Industries, Inc., Kansas City, MO.; and President Gary D. Myers, Washington, D.D.

Pa. grain stocks up

HARRISBURG — Total stocks of corn, oats, wheat and barley in Pennsylvania on Jan. 1, 1983 totaled 129.3 million bushels, up two percent from a year ago according to the Pennsylvania Crop Reporting Service.

Stocks on farms at 113.5 million bushels were up two percent, while off-farm stocks at 15.8 million bushels were down one percent from a year earlier.

Corn stored in all position totaled 107.6 milion bushels, one percent above last year's level of 106.6 million bushels. Oats held in all positions amounted to 13.5 million bushels, seven percent above the 12.7 million bushels on hand a year earlier. Wheat stocks in all positions totaled 6.5 million bushels, up ten percent from last year's level of 5.9 million bushels.

Barley in all storage positions, at 1.67 million bushels, increased one percent from the 1.65 million bushels stored last year. Soybean stocks in all positions on Jan. 1 totaled 2.5 million bushels. On-farm rye stocks totaled 82,000 bushels compared with 44,000 bushels stored on farms on Jan 1, 1982.

At the national level, corn stocks in all positions on Jan 1, 1983 totaled a record 8.42 billion bushels, 21 percent more than last year. Oats in all storage positions totaled 473.6 million bushels, up 30 percent from the same date in 1982. Wheat stored in all positions totaled 2.52 billion bushels, 16 percent above the 2.18 billion bushels stored a year earlier. Barley stocks in all positions amounted to 418.7 million bushels, 26 percent above the amount stored last year.

Soybeans stocks in all national positions at 1.83 billion bushels was 12 percent above the 1.63 billion bushels stored a year earlier. Rye stocks stored in all positions totaled 10.87 million bushels, up 38 percent from last year. Sorghum stocks in all positions on Jan. 1 totaled 792.59 million bushels, 15 percent above last year's stocks.

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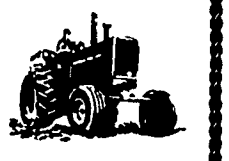

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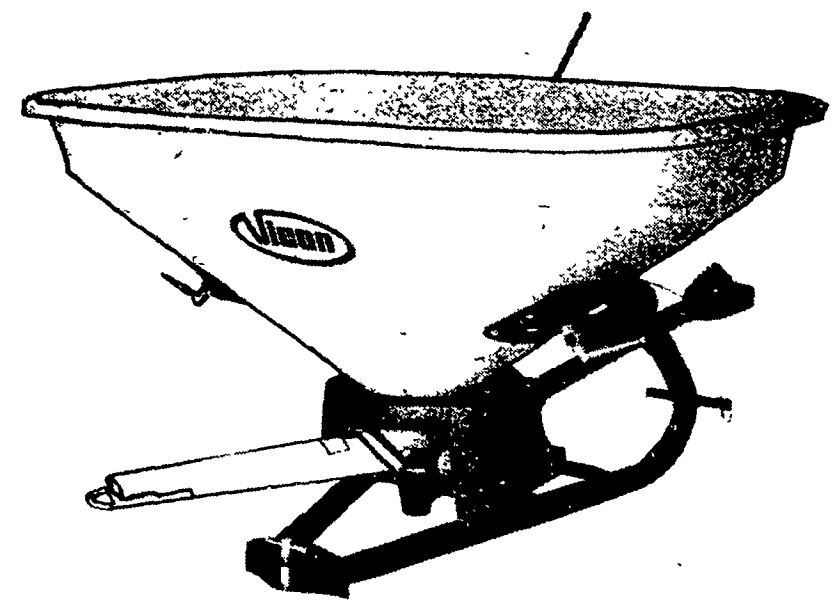

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Lairds are Angus Family of Year

DOVER — "I never liked to milk cows," grins Walter Laird, his eyes twinkling in a face creased with a permanent expression of good humor.

"But I still wanted to farm," adds Laird.

As an "excuse" to stay on the farm, Laird and wife, Nellie, put in Angus cattle instead of a herd of milkers.

Thirty years, or thereabouts, later, the Lairds maintain a herd of 100 purebred Angus cattle on their 200-acre farm, plus additional rented ground, on Rohrers Church Road, R3, Dover.

Pennsylvania Angus breeders selected the Lairds as their family of the year, honoring the couple during the Association's annual dinner and meeting on Tuesday of Farm Show week at the Penn Harris.

Why Angus?

"Everyone knows you get only prime steaks from Angus," teases the gung-ho promotor of the popular black breed, and of the beef industry in general.

"I could also tell you about the calving ease, milking ability, and how they grade out to a higher percentage of choice than those other breeds," he tosses in as an afterthought.

A long-time activist in breed and promotional organizations, and supporter of youth activities, Laird is a past-president of the Pennsylvania Angus Association and the South-Central Pennsylvania Cattlemen's Association, and a director of the Pa. Cattlemen's organization. — J.B.

For their years of service and devotion to the Angus breed, Walter and Nellie Laird were named family of the year by the Pennsylvania Angus Association.

Bee is mightiest farm worker

BELTSVILLE, Md. — What do you feed America's mightiest farm worker when he is hungry?

Obviously, anything he wants-as long as it meets the recommended daily allowances of the adult honeybee, says Elton W. Herbert of USDA's Agricultural Research Service.

Yes, the tiny honeybee does a mighty job. By pollinating crops that provide human and livestock foods, the honeybee affects a full third of our food supply.

Now, as its just reward, there's the Beltsville Bee Diet. The BBD is an inexpensive artificial diet for honeybees that makes life easier around the hive, and more importantly, makes beekeeping more profitable, according to the Ag Research Service at USDA.

Earlier this year, the Beltsville Bee Diet went on the commercial market after ten years of bee nutrition research at the ARS Bioenvironment Bee Laboratory, one of 51 laboratories at USDA's Beltsville Agricultural Research Center in Central Maryland.

Beekeepers often use artificial diets instead of natural pollens and nectars to build up honeybee broods in time to pollinate early Spring crops such as blueberries and almonds. Artificial diets are also needed when bees are confined during extreme weather and when colonies are isolated from areas of pesticide spraying.

The Beltsville Bee Diet can allow colonies of bees to build up their populations faster and earlier in the season. Thus, bees will produce more honey in a season.

Also, the BBD is a foolproof way to avoid transmitting diseases to a colony through bee food, according to Herbert's colleague, ARS microbiologist Hachiro Shimanuki.

To find the right formula for the BBD, the ARS scientists first needed to identify the exact nutrients honeybees require to reproduce efficiently. "Then, we faced perhaps the more difficult task of making the bees eat it. We mixed and matched many ingredients until recently we hit on a diet that not only serves honeybees what we knew they needed, but also what they want to eat," says Herbert.

To fill the Critical protein requirement-the pollen substitute-the scientists settled for, or rather the bees settled for a whey-yeast compound. Whey is a byproduct of cheese making. The yeast provides honeybees with needed vitamins and minerals. Sugars in the BBD provide carbohydrates, which also help preserve the diet.

The BBD can be kept at room temperatures for many months without spoiling or hardening-it looks like peanut butter in color and viscosity.

PDA, Penn State announce liaison program

HARRISBURG — The first Agricultural Liaison Program in history between the Pennsylvania Department of Agriculture and Penn State was announced last Friday by Samuel H. Smith, Dean of the Penn State College of Agriculture and Secretary of Agriculture Penrose Hallowell.

In a joint statement, Smith and Hallowell said, "The program has been designed to expand our services to the agricultural community of Pennsylvania by improving communication between Penn State and the Department of Agriculture."

Terri Reinhart-Rallis of State College has been appointed as Agriculture Liaison, working through the Agriculture Department's Bureau of Agricultural Development. In her new position, she will focus efforts in three major areas: public information, marketing and job recruitment.

Smith said the three areas of concentration were agreed to during a series of meetings between himself and Hallowell. "Both the Agriculture Department and Penn State provide essential services to the state's agriculture and food industry," Smith said. "The Agriculture Liaison Program will take advantage of the strengths of both and help unite Pennsylvania agriculture."

Hallowell said sharing of staff and communications resources can boost our ability to get information to farmers and agribusinesses quickly and effectively. "The Penn State Cooperative Extension Service with its 67 county offices can also support work in improving the marketing of Pennsylvania agricultural products," he said. "Cooperation in providing up-to-date market information and in promoting sales of products through the 'We're Growing Better' program will benefit Pennsylvania farmers."

The two agriculture leaders also said the program would yield a formal, structured internship program. "This will provide students an opportunity to gain hand-on experience in agriculture related fields of state government," Smith said. Reinhart-Rallis is working closely with Gene Love, associate dean for Resident Education in the College of Agriculture, to recruit students to begin internships with the Agriculture Department in the spring.

Hallowell said the Agriculture Liaison Program grew out of his desire to make the most efficient use of existing resources. "Dean Smith was extremely receptive when I first suggested the idea. He and his staff have been a great help in putting together a program which will benefit Pennsylvania farmers."

The two said the program is a positive step toward uniting Pennsylvania's agricultural service agencies, and important in meeting agriculture's needs in a time of fiscal responsibility.

"Pennsylvania Agriculture is Growing Better," they said. "The Agriculture Liaison Program between the Pennsylvania Department of Agriculture and The Pennsylvania State University will help assure an even brighter future for our farm community."

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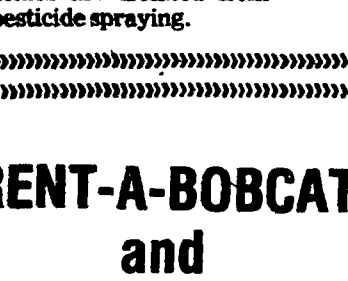

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Grumbine heads Farm-City Council

CAMP HILL — Dennis Grumbine, Myerstown, president of the Pennsylvania Cooperative Swine Breeders Association. has moved up to the chairmanship of the *Pennsylvania Farm-City* Council.

Lebanon County hog farmer and equipment dealer, Grumbine succeeds Emory Brown, of the Penn State Extension staff, who becomes a member of the Executive Committee.

Elected vice-chairman this week was Dalton Paul, of the Vo-Tech staff and Farm-City Committee in Franklin County.

Honored at this week's session were Grumbine and Tom Emswiler, of the PDA, for their individual efforts on behalf of Farm-City Week activities.

During the coming year, the Council will concentrate activities in two specific areas.

First, to expand Farm-City awareness in the two big population centers of Philadelphia and Pittsburgh, possibly through the food expos held in those cities.

Second, to expand local representation on the statewide council.

Dennis Grumbine

Fox to speak at DVC

DOYLESTOWN — Dr. Michael W. Fox, director of the Institute for the Study of Animal Problems of the Humane Society of the United States, will be the featured speaker at Delaware Valley College on Thursday, April 7, 1983. The program is sponsored by the Laboratory Animal Science Club and is scheduled for 8 p.m.

The Institute has produced numerous publications and developed several technical research programs which applied scientific methods to the investigation of the many uses of animals, including laboratory, companion, farm, and captive wild animals, and using animals in education.

Fox is a recognized advocate of animal rights. His latest project is an expose of the inhumane intensive livestock raising practices on factory farms, aiming to achieve humane standards in seeking a balance between the animals' environmental requirements and efficient production and slaughter.

Fox also is a contributing editor to McCall's magazine, and has a nationwide syndicated newspaper column, "Ask Your Animal Doctor."

Fox has a veterinary degree from London's Royal Veterinary College, a Ph. D in medicine, and a D.Sc. in ethology and animal behavior from London University, England. He is listed in Who's Who in America and in Who's Who in the World.

This program is open to all interested people and a $1 donation is asked.

Delaware Valley College is located on Route 202, one mile west of Doylestown.

Schuylkill holds winter potato meetings

SCHUYLKILL HAVEN — The Schuylkill County Winter Potato meetings will be held on Tuesday, Feb. 8, 1983.

The Processing Potato Meeting will be from 10 a.m. to 12 noon in the Community Room at the Schuylkill Mall, Frackville. The table stock potato meeting will be from 2 p.m. to 4 p.m. at the Federal Land Bank - Production Credit Building at Hegins.

Speakers for the meeting will be Richard Cole, Extension potato production specialist; Robert Leiby, Lehigh County potato specialist; George Holton, Mobay Chemical representative. The topics discussed will include weed control, integrated pest management scouting program, and the outlook for Pennsylvania potatoes in 1983.

All potato growers are invited to attend the meetings sponsored by the Schuylkill County Cooperative Extension Service. For additional information, contact George P. Perry, Jr., county agent - horticulture, P.O. Box 250, Schuylkill Haven, PA 17972 or telephone 717/385-3431.

Flat-scale subdivision ruling unconstitutional

HARRISBURG — A recent state Supreme Court decision declared a York County township subdivision regulation unconstitutional, and has township officials back at the drawing board in designing farmland preservation techniques.

Attorney and farmowner Edward Golla, R3, Stewartstown, had challenged Hopewell Township's flat-scale subdivision ruling that prevented him from deeding off ten-acre tracts to his sons.

Under the township's ordinance, a total of five subdivisions were allowed to any tract, regardless of its size. Four of those subdividions were limited to one and one-half acre size.

"What this decision says is that if a man wants to make what some might consider inefficient use of his land, the government could not prohibit in this way his doing so," says Atty. Golla. "It was deemed unfair to allow a large landowner the same number of lots as was allowed the owner of a smaller acreage."

Several other York County townships have varied forms of a sliding scale, allowing an increasing number of subdivisions based on the overall number of acres in a tract.

Attorney Gilbert Malone, who has drawn up various municipal subdividion regulations, believes the court will uphold the sliding-scale philosophy.

Malone, a panelist at the York Agri-Business seminar, spoke briefly on the court's decision on the set scale ruling and compared farmland loss statistics from zoned and un-zoned townships.

Hopewell, Codorus and North Hopewell, all townships with subdivision regulations, showed an average seven percent increase in farm parcels, at a period when farm parcels across the county were decreasing. Three townships with no zoning, Dover, Conewago and Hallan, saw a farm parcel loss averaging about 12 percent.

4-H—
a family affair

PMMB hearing

(Continued from Page A1)

cording to Mike Thomas, another Main Hurdman representative, are raw milk cost, processing cost and container cost.

Raw milk, in the unit cost accounting, is treated as two separate raw products, skim and butterfat, each with its own value. Shrinkage costs and bulk milk costs are reflected in the cost of raw milk to the dealer. It was determined by the firm that separation costs, while an integral part of the production operation, would be too costly to identify.

Sheldon Weiss, attorney for Cumberland Farms, New Jersey, questioned the source of the data used for structuring the proposed accounting practices. He noted that efficiencies of operation were not taken into account.

George Brumbaugh, chairman of the Milk Marketing Board, said, "The system makes no attempt to address itself to the margin—only to the cost information. Their (the accounting firm's) end product is cost."

There were other questions from the audience specifically related to the proposed forms. While there was not outward disagreement with the implementation of the unit cost accounting system, privately some dealers said the cost of gathering some of the required data would be a burden for smaller dealers.

Questioned following the hearing, Fink said, "Much of the information that's required is already available. We figure that it will require two man-days to work through the forms."

During the hearing Brumbaugh also noted, "This is closer to federal order accounting than we've ever gone. We hope to have a mechanism that will make annual reports as submitted more meaningful a tool."

The ultimate use of the unit cost information, of course, is in establishing minimum retail price on milk products. While no hearings are scheduled in the immediate future, the gathering of this information will allow the Board to use it in the future.

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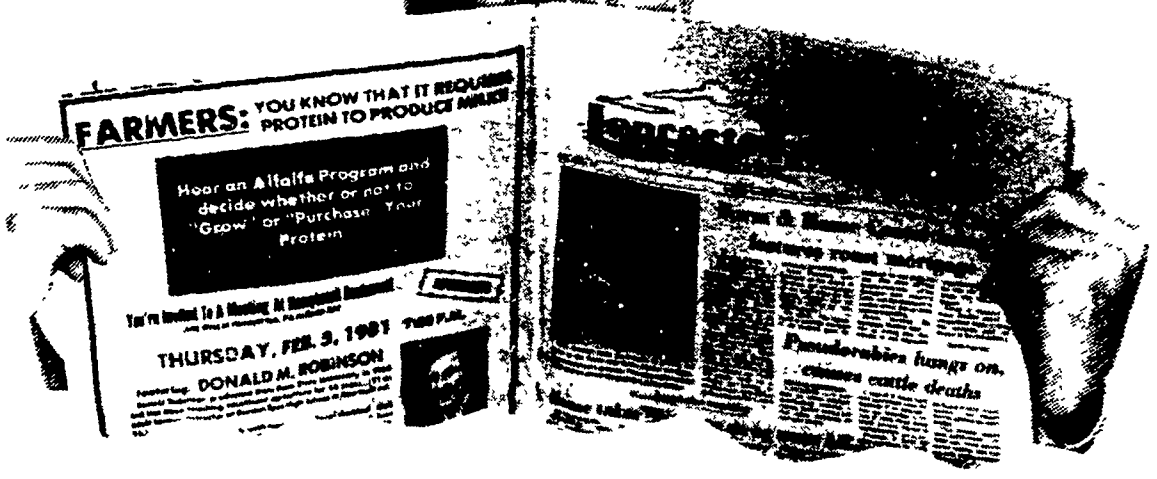
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Game Commission receives honor for hunter ed. program

HARRISBURG — The Pennsylvania Game Commission has again been recognized for having one of the best hunter education programs in the nation.

Each year the International Association of Fish and Wildlife Agencies evaluates hunter education programs in terms of student and instructor training, training aid, program development and promotion.

For 1982, the Pennsylvania program was designated AAA, the highest that can be achieved in the IAFWA ratings. The program also earned the Award of Merit certificate.

Nearly one million persons have been trained in Pennsylvania since the Game Commission inaugurated its program. About 150,000 Pennsylvania students completed the hunter education course on a voluntary basis prior to 1969, when it became mandatory for all first-time hunters, under 16, to complete a hunter education course before being eligible to purchase a license.

Today, each first-time hunter, regardless of age, must complete a hunter education course before purchasing his or her initial hunting license.

Results of the program can be clearly seen when reviewing 1982 safety records. Preliminary hunting accident figures indicate only nine fatalities were recorded. According to Game Commission Hunter Education Coordinator Jim Filkosky, last year's total was the second lowest ever reported. Just seven were recorded in 1980.

Of the nine most serious accidents last year, one involved woodchuck hunting, one occurred in regular small game season, five happened in regular deer season, one was recorded in flintlock deer season, and the last took place during the late small game season.

Four fatal injuries were self-inflicted, and in each instance, the firearm apparently discharged accidentally.

Of the remaining five fatalitites, two took place when a firearm discharged accidentally, two involved persons mistaken for game, and the final mishap occurred with the victim in line of fire between hunter and deer.

According to Filkosky, those who might wish for a return to the "good old days" probably don't realize how much safer hunting is in the '80s, compared to yesteryear.

He points out that fifty years ago, in 1932, there were 54 fatal hunting accidents. In 1931, there were 54 fatal hunting accidents. But in 1932, there were only half a million licensed hunters in the Commonwealth, compared to the 1.35 million licensed today.

Filkosky said, "From 1920 through 1929, there were 467 fatal hunting accidents. In the decade of the 1930s, 461 died. By the '40s, the total had dropped to 288, and in the '50s there were just 227 fatal mishaps.

"From 1960 through 1969, there were 223 fatal hunting mishaps in the Keystone State, and in the '70s the number dropped to 171. If the 1980-82 fatality rate is maintained for the remainder of this decade, there will be fewer than 100 fatal accidents recorded in the 1980's.

Filksoky attributes the steady decrease in Pennsylvania hunting accidents to hunter education courses and the increased use of fluorescent orange clothing.

In 1969, the first year of mandatory hunter education training for youths under 16, there were 530 hunting accidents, including 25 fatalities. Mishaps have been declining steadily since then.

While final figures on 1982 hunting accidents won't be compiled until later this year, it's believed the total will be less than 200 mishaps.

PFU sets legislative priorities

HARRISBURG — The Legislative and Milk Marketing advisory committees of Pennsylvania Farmers' Union recently elected officers for 1983 and established working legislative priorities at their quarterly meeting.

William Sturges was elected to chair the organization's Milk Marketing advisory committee. Sturges also serves as president of the recently organized Northern Tier dairy producers cooperative. He also is Tioga-Potter counties Farmers Union president and is a member of the statewide Farmers Union executive committee.

Walter Jordan, president of Jefferson County Farmers Union was elected vice chairman and Naomi Spahr, Lancaster County was elected secretary of the Milk Marketing committee.

The committee's top legislative priority for 1983, according to Sturges, is getting Congress to repeal the "confiscatory USDA tax on dairy farmers' gross receipts." Federal legislation will also be sought to limit imports of dairy products. Sturges claims much of the dairy surplus problem is the direct result of excessive imports of casein, cheese, and other dairy products.

Officers elected by PFU's legislative committee were Jack Philson (Mercer Co.), chairman; Sam Reed (president of Clinton-Centre Co.). vice chairman, and Naomi Spahr (Lancaster Co.), secretary.

Priority issues selected by the legislative committee were: inadequate funds in Pa. Milk Marketing Security Fund to cover claims filed by producers against insolvent dealers; inequities in farm property tax assessment laws; game law problems; defects in commodity referendum laws in respect to producer voting procedures; improving protection for landowners in oil and gas drilling safety legislation; and participation in public commentary on Sunset review of several state agencies, including the Pa. Milk Marketing Board.

REC's publish stray voltage brochures

HARRISBURG — Neutral-to-earth voltage, tingle voltage, stray voltage — regardless of what this phenomenon is called, it means only one thing to farmers whose animals are affected: problems.

To help farmers and electricians identify these problems and work to solve them, the Pennsylvania Rural Electric Cooperatives are offering a set of brochures.

Copies of "The Farmer's Guide to Stray Voltage" and "The Electrician's Guide to Stray Voltage" can be obtained from local rural electric cooperatives or from the Pennsylvania Rural Electric Association, P.O. Box 1266, Harrisburg, Pa. 17108. Both publications are available free of charge.

By drinking from metal water cups, eating from metal feed troughs, or brushing up against other metal objects in and around barns, animals can "ground out" any electrical current that is flowing through these objects.

In effect, the animals' bodies complete the electrical circuit, providing a convenient path for the electricity, which is always seeking the most readily available ground.

"Problems associated with stray voltage have been around as long as I've been associated with rural electrification," said William Matson, Executive Vice President and General Manager of the Pennsylvania Rural Electric Association.

Matson, a 30-year-veteran of the rural electric program, added that "there's a greater stray voltage problem perceived today for several reasons: farmers are better educated about the potential problems that can affect their animals; there are greater numbers of complex electrical equipment used in barns today; there are more metal buildings in service, and water tables are dropping, causing grounding problems for farmers."

The solutions to stray voltage problems can usually be found on the farm itself. The recommended technique for solving the problem is "bonding" all metal surfaces in the barn together to form an "equipotential plane." Drinking cups, feed troughs, milking equipment, milk coolers, water heaters, drains and all other metal surfaces are connected by wire to provide for a common ground.

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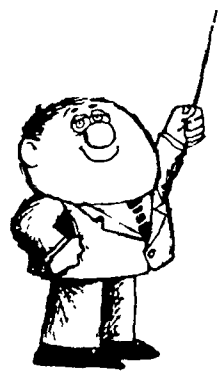

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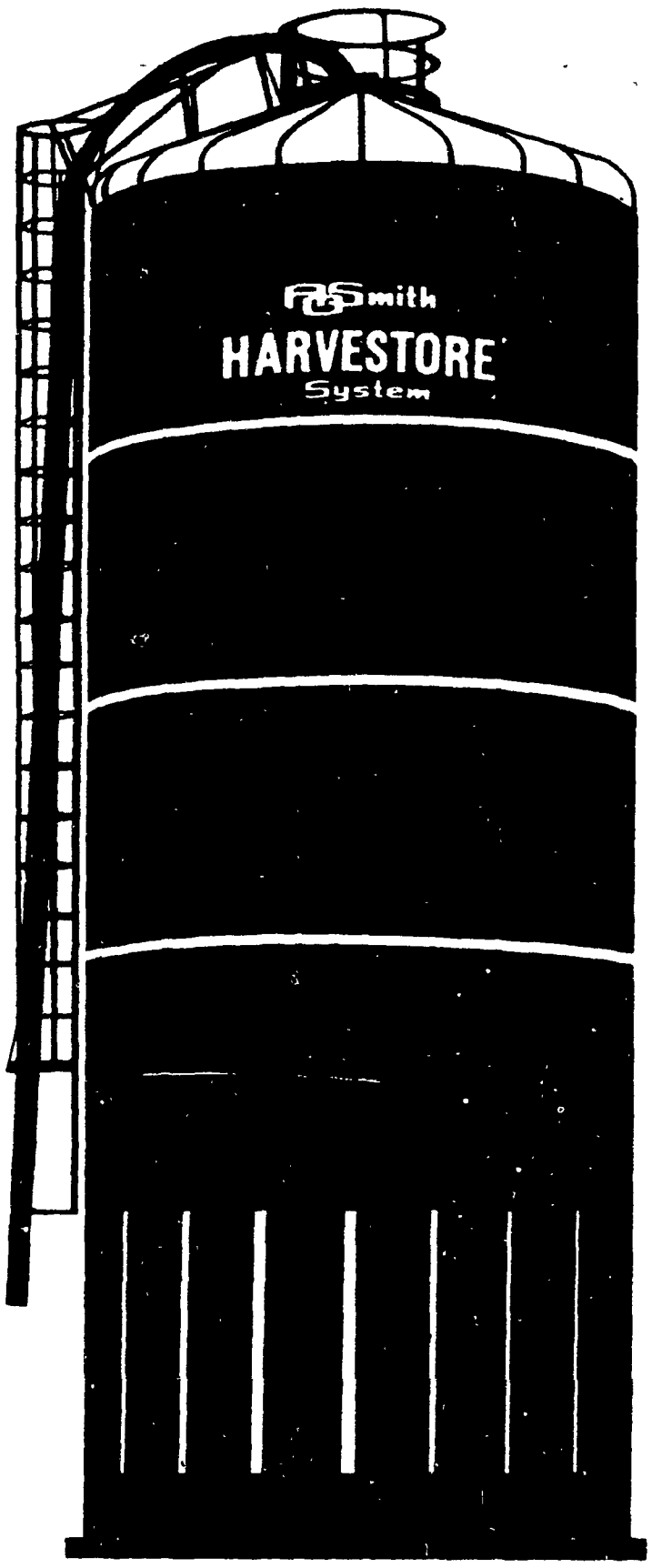

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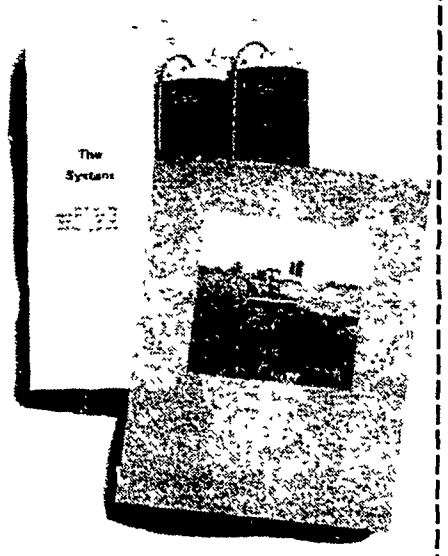

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1/29/83

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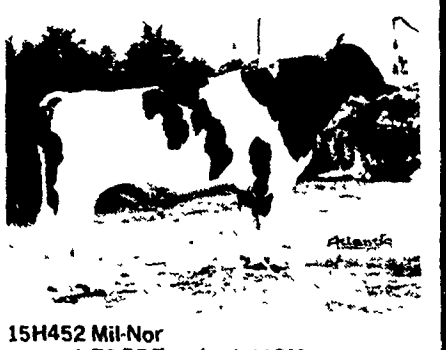
15H231 Very
now +1,007M, +.31%, +1.02 PDT

(January/83 USDA production and breed assoc. type)

Sire		no. daus.	milk	fat	value	rpt	PDT	rpt.
15H123	Rocket	16,097	+2,055	+44	+$215	99%	-.82	99%
15H175	Marvex	5,441	+923	+34	+$121	99%	+1.27	99%
15H180	Superior	4,528	+1,452	+26	+$143	99%	+.84	98%
15H190	Blend	110	+1,200	+32	+$137	86%	+.25	69%
15H192	Titan	479	+1,346	+26	+$136	96%	+.59	85%
15H202	Mariner	117	+1,521	+31	+$157	85%	+.59	62%
15H203	Boots	369	+1,325	+39	+$157	94%	+.61	80%
15H219	Duke	44	+1,333	+22	+$128	71%	+1.35	60%
15H221	Mandate	47	+1,543	+34	+$163	74%	+.60	58%
15H231	Very	185	+1,007	+83	+$211	91%	+1.02	87%
15H237	Oak Star	104	+1,387	+20	+$129	85%	+2.11	73%
15H247	Foreman	35	+1,498	+23	+$141	67%	+.76	49%
15H252	Gangster	47	+1,437	+40	+$166	72%	+.69	60%
15H253	Sidney	39	+2,180	+31	+$202	68%	-.25	59%
15H260	Designer	44	+1,214	+42	+$155	71%	-.26	61%
15H276	Magnet	45	+1,501	+28	+$150	70%	+1.06	62%
15H277	Starmate	46	+941	+59	+$165	68%	+.75	66%
15H287	Pat	25	+1,516	+43	+$177	56%	N/A	N/A
15H289	Vigor	27	+1,232	+38	+$149	58%	N/A	N/A
15H290	Attraction	55	+1,588	+46	+$187	72%	+.52	72%
15H293	Sundance	20	+1,184	+46	+$159	47%	N/A	N/A
15H296	Tenor	37	+1,169	+41	+$150	62%	N/A	N/A
15H297	Kurt	47	+1,206	+16	+$110	66%	+1.03	56%
15H316	Gambler	22	+1,370	+26	+$138	49%	+1.23	44%
15H318	Rebel	17	+904	+53	+$152	41%	N/A	N/A
15H452	Mil-Nor	36	+1,418	+50	+$182	64%	+1.72	69%
15H459	Jess	59	+793	+38	+$119	73%	+1.84	63%
1H238	Electra	70	+2,089	+47	+$221	77%	+1.52	67%
1H266	Penstar	2,212	+1,562	+61	+$211	99%	-.33	95%
1H290	Willowvation	43	+1,719	+63	+$225	64%	+1.93	69%
1H385	Ace	266	+1,566	+65	+$218	91%	+1.48	78%
17H387	Simon	68	+1,653	+52	+$202	77%	+1.35	62%
17H390	Jade	119	+1,647	+71	+$234	85%	+.91	73%
83H330	Bow Knott	35	+824	+9	+$72	60%	+.81	59%
15J53	Noble	133	+1,215	+39	+$149	85%	+1.20	75%
1J148	Firechief	90	+1,236	+48	+$166	80%	+.40	75%
1J157	Soldiers Pride	121	+1,708	+55	+$210	80%	+.40	77%
1J169	Rain Dance	50	+1,183	+23	+$120	61%	+.90	66%
1J177	Bootmaker	51	+1,377	+45	+$171	55%	-.10	61%
1J185	Classic	23	+1,472	+42	+$172	50%	-.60	49%
1J194	Soldier Boy	350	+1,865	+63	+$235	92%	+.60	88%
1J199	Promoter	201	+1,208	+56	+$178	87%	+.50	84%
15G116	Lassie	74	+1,124	+45	+$154	77%		
15G120	Tex	145	+1,313	+49	+$173	84%		
1G144	Rex	20	+1,207	+34	+$140	49%		
1G149	Emory	26	+1,542	+38	+$170	41%		
3G147	Nobleman	290	+1,020	+23	+$109	92%		
21G243	Top Dollar	254	+957	+10	+$82	91%		
21G249	Jamaica	49	+1,140	+41	+$148	65%		
83G561	Deacon	1,252	+888	+38	+$125	93%		
1B67	Titan	179	+1,439	+25	+$141	82%		
1B69	Balison	33	+1,401	+64	+$205	49%		
1B72	Toro	37	+1,328	+45	+$167	51%		
83B544	Combination	41	+1,057	+44	+$147	50%		
3A86	Jack	1,301	+811	+24	+$96	98%		
9A79	Boy	759	+735	+15	+$76	97%		
17MS43	Promise	43	+1,331	+58	+$190	43%		
21M515	Pacesetter	186	+2,171	+83	+$290	87%		



15H452 Mil-Nor
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15H253 Sidney
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15H316 Gambler
new bull at +1,370M and +1.23 PDT

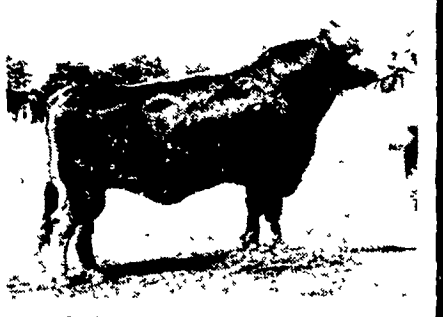
15H290 Attraction
now +1,588M and +.52 PDT

15H237 Oak Star
now +2.11 PDT and +1,387M

15G116 Lassie
now +1,124 and +$154

1J194 Soldier Boy
now +1,865M, +$235, +.6 PDT

15H277 Starmate
now +941M, +.16%, +.75 PDT



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Little girls and horses

Some dreams do come true

Pam Anoka shows off Nui Mahalo, her first colt out of her own mare. Nui Mahalo means "many thanks" in Hawaiian and Pam named him that because he was born right after her honeymoon in Hawaii, and, of course, because he was such a beautiful colt.

BY BETH HEMMINGER
Staff Correspondent

Pam Anoka of Boiling Springs has given a new meaning to horsein' around!

It all started with a dream. While some city children dream of owning a horse, Pam made it a reality in her life through persistance and dedication.

Living in the city of Harrisburg, Pam began making her dream become a reality at the early age of nine, when she began taking riding lessons at a stable and later began showing ponies and horses.

And then, she said, with much persuasion, her parents bought her a horse when she was 14 years old. And she added, "I still have my first horse, 'Short Circuit.'"

Pam said that 'Short Circuit' retired this fall from giving lessons to her students, and would spend his remaining days eating and roaming.

At the young age of fourteen, Pam continued to take lessons and began travelling the show circuit regularly in Pennsylvania and Maryland learning the ins and outs of competition from fellow competitors.

And, as the years passed by, Pam was now ready for college, so she went to Bristol, Virginia for her education.

Pam said, "My parents thought my interest in horses would waiver since I had to leave my horse at home." Instead she said those feelings grew stronger. And, she completed her education at Briston with a degree in physical education and equitation and a new horse. While at college she bought a horse so she could continue training and practicing for competition purposes.

Pam's next step in her horse career was to acquire a few more horses through her own animals. That plan soon took effect.

While Pam and her new husband Robert were on their honeymoon in Hawaii, Pam knew her mare would soon be having a colt. And to Pam's joy her mare waited to have the colt until they returned from the trip. Pam soon was the proud owner of a colt which she named Nui Mahalo which means "many thanks" in Hawaiian.

Nui Hahalo is now an 8-year-old gelding thoroughbred who has won many championship titles for his owner during the past years.

Along with showing her own animals, Pam teaches 12 lessons a week at her stable where she teaches the fine skills of hunter seat equitation. At one time she taught up to 100 lessons a week, but with her job it became too much work.

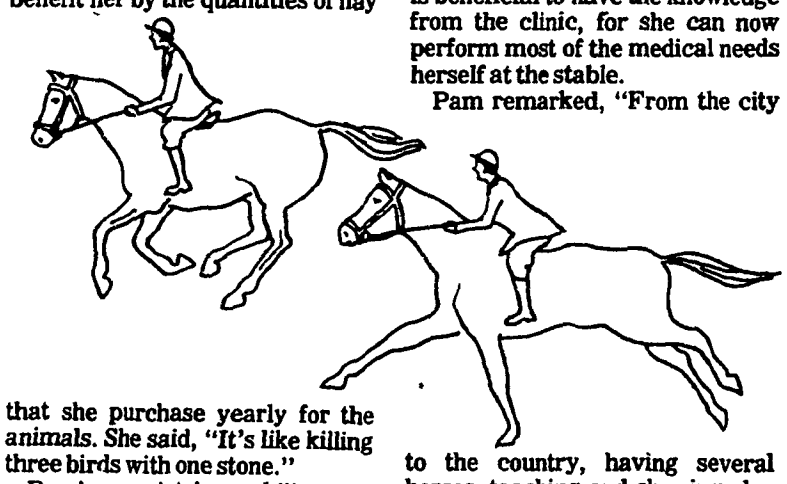
Pam teaches the hunter seat skills; skills that consist of teaching the students and the horses in manners, walking, trotting and cantoring quietly, ways of going or moving, and styles of jumping. Most of her students compete in Pennsylvania and Maryland horse shows. And many of her students have gone on to win meadals in the American Finals and State Championship contest.

Along with Pam's teaching, she, herself, is taught by a coach in Virginia. Pam said, "No matter how long you have been riding, you still need coaching and constructive criticism; it is a life-time of learning."

Along with teaching lessons, Pam has future plans for her stable. She is beginning a small breeding program of raising thoroughbred yearlings for sale. To do this she plans to add another brood mare to her herd which will increase yearling production, along with selecting or finding top quality studs for her breeding program.

In addition to her breeding programs, Pam is improving and enhancing her grazing land which will work in conjunction with the breeding plan. Pam remarked, "Without the proper nutrients, a horse will not perform or look his best. And that is my goal — to have the best animals I possibly can have."

The pasture improvements will consist of cultivating the pasture area with good grasses, and rotating the animals from one pasture to another and letting the grasses replinish for a good stand. Pam said not only will it benefit the horses and the land, but it will benefit her by the quantities of hay that she purchase yearly for the animals. She said, "It's like killing three birds with one stone."



Pam's equistrian skills and career are enhanced through employment at a local veterinary clinic as a licensed animal health technician.

She recently took a state examination which qualified her for the title. Pam remarked that it is beneficial to have the knowledge from the clinic, for she can now perform most of the medical needs herself at the stable.

Pam remarked, "From the city to the country, having several horses, teaching and showing plus working at the clinic — it all has seemed to work together so well!"

"A city girl can make it in the country," she added.

Pam enjoys this view of her Anoka stables and the many horses roaming the pastures in front of the house and barn. She began turning this dream into reality at the young age of nine when she started taking riding lessons.

Homestead Notes

NOW CASH REBATES $1,900 $1,800 $1,700 $1,600 $1,450 $1,200

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Remember this is a limited time offer Choose the power size and options, such as exclusive Caster/Action™ MFWD and Sound-Gard® body, that meet the needs of your type and size of farm Come, see us soon

Model	Cash Rebate On Purchase
85-hp 2950 MFWD	$1,900
85-hp 2950	1,700
75-hp 2750 MFWD	1,800
75-hp 2750	1,450
65-hp 2550 MFWD	1,900
65-hp 2550	1,600
55-hp 2350 MFWD	1,600
55-hp 2350	1,150
50-hp 2255	1,075
45-hp 2150 MFWD	1,450
45-hp 2150	1,150
40-hp 1250 MFWD	1,200
40-hp 1250	900

Availability of John Deere financing plans subject to approval of credit. These offers may be reduced in value or withdrawn at any time

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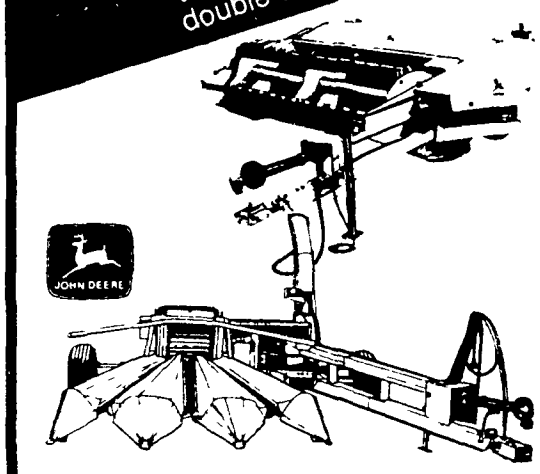

Take delivery on any new John Deere mower/conditioner purchased during this program—get a John Deere money bonus as shown Take delivery on a new John Deere square baler, round baler or PTO forage harvester purchased during this program—get a money bonus

But if you pick a team—a mower/conditioner **plus** a baler or PTO forage harvester—on the same order, you'll qualify for a double bonus on both tools!

There's more finance with John Deere and the finance charge will be waived until the 1983 season of use in this area *

Model	John Deere Money Bonus	Team Bonus If Bought With Mo/Co
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Round Baler	$300	$1400
Square Baler	$300	$1400
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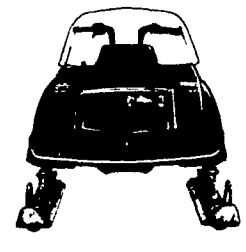

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Ida's Notebook

Ida Risser

Wintertime is a wonderful time to look at pictures that were taken in the summer or spring. It really doesn't even matter if they were recent snapshots as sometimes the older ones are the most interesting. I've sorted mine into different years and now share them with the grandchildren.

When I re-examine the recent Christmas photos of our family, it is just like reliving the experiences of all being together again. My children all own cameras and some have several expensive models. They've even taken courses in photography and entered some in contests and won prizes.

My talent is lacking in that area as I have trouble placing a group of people in the center of a picture. My favorite subjects are my flowers and plants. At this time of year, I enjoy looking at last years's flower beds. There are various pictures of wild flowers too that were taken in our woodlands.

My great uncle was quite interested in many areas and so he traveled all over the county taking pictures of all the covered bridges, historic buildings in Lancaster city, plus banks and hotels in the villages of our county.

I believe he must have been given a camera as a child as many of his pictures are brown and yellow from age. There are pictures taken indoors of his family and pets which I think is unusual for that time. Some include men working in the fields, his own personal horse and the machinery used in the 1800s.

Recently I was able to share some of these with a professor who is publishing a picturial history of the Pa. Dutch Country. They included an old car, a steam engine, wheat binder, distillery and a Civil War gun mill.

I'm not sure that my uncle realized how many people would appreciate his efforts in the years to come.

Interest rates drop on FmHA loans

DALLAS, Tx.—Interest rates for loan programs of the U.S. Department of Agriculture's Farmers Home Administration dropped again on Monday, reported Secretary of Agriculture John R. Block.

"These lower interest rates, which apply to most loans made by the USDA farm credit agency, will be of great benefit to the rural economy and particularly for the nation's farmers who depend heavily on credit," Block said.

It is the third such reduction since October 1982 by the agency, which makes farm, home and other loans to rural residents and communities who cannot get credit from private lenders.

Block said the reductions are possible because of a general move toward lower interest rates across all sectors of the economy and because of lower costs of federal borrowing.

Interest rates for farm operating loans, used to finance annual costs of production, dropped from 11.5 to 10.25 percent.

Farm ownership rates dropped from 11.5 to 10.75 percent.

Interest rates for "limited resource" borrowers—those unable to afford the full interest rate—dropped from 8.5 percent for operating loans to 7.25 percent. Limited resource farm ownership loans go from 5.75 to 5.25 percent.

The interest rate for actual loss loans due to natural disasters remains at 8 percent for those farmers unable to get credit from private lenders. For farmers who can obtain natural disaster loans elsewhere but choose to deal with the Farmers Home Administration, the rate remains at 14.25 percent.

The interest rate for production loans to farmers who need financing above the actual loss and are unable to get credit elsewhere drops from 14 to 13 percent. The rate for real estate purposes remains at 13 percent.

Interest rates on long-term loans for soil and water conservation, grazing associations, irrigation and drainage and Indian land acquisition drop from the present 11.5 percent to 10.75 percent.

In housing, interest rates for single family homes drops from 11.5 to 10.75 percent except for borrowers who can afford rates charged by the Department of Housing and Urban Development. Their rates remain at 12 percent.

Rural rental housing loan rates go from 11.5 to 10.75 percent.

On Dec. 31, 1982, rates for water/sewer and rural community facility loans were lowered. The "market" interest rate for those communities able to affort it went from 10.625 to 9.750 percent, and the "intermediate" rate dropped from 7.875 to 7.375 percent. The poverty-line interest rate remained at 5 percent.

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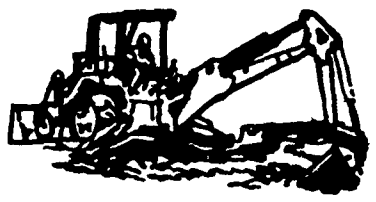

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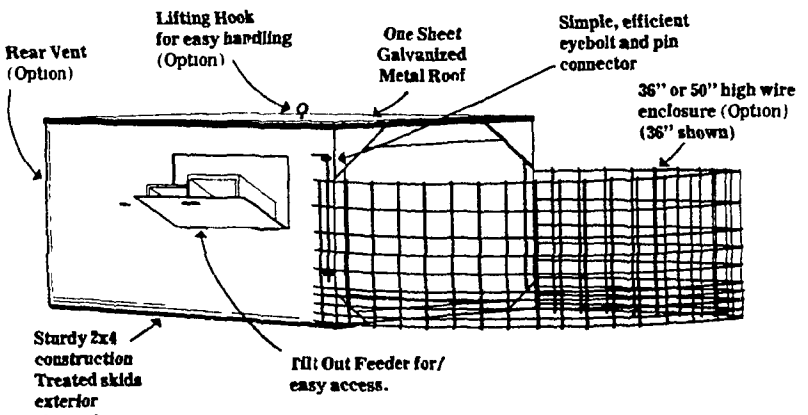
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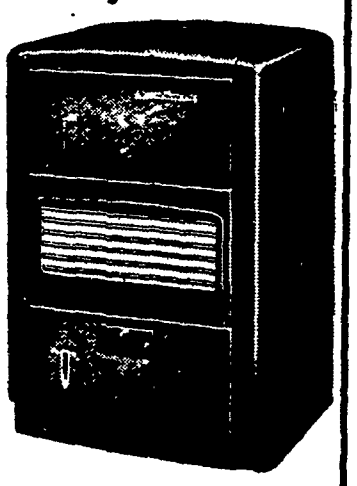

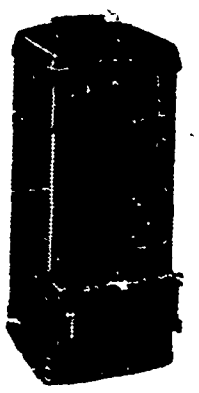

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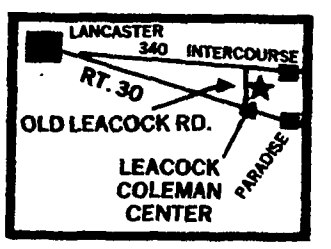

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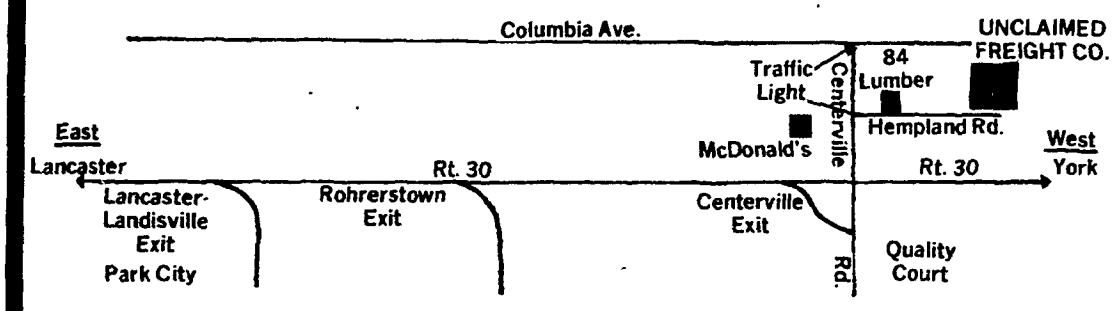

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Berks goatherders schedule cheese workshop

LEESPORT — The Berks Goatherders are sponsoring a cheese-making workshop on Saturday, April 9, from 10 a.m. to 4 p.m. at the Berks County Agricultural Center, here. Actual participation and demonstrations will show how to make a hard pressed (gouda) cheese, and a soft (lactic herbed) cheese. Participants are asked to bring milk along; either goats milk or cows milk will be used.

On hand to give instructions will be Bob and Ricki Carroll, co-owners of the New England Cheesemaking Supply Company, Ashfield, Mass., and authors of the bi-monthly newsletter, "The Cheesemakers' Journal," and a paperback guide to making 60 kinds of cheeses, "Cheesemaking Made Easy." There will also be a slide presentation and a question and answer period. Cheeses will be available for sampling and cheesemaking kits and equipment will be on sale.

Deadline for enrollment is March 1 on a first-come - first-served basis. The cost is $25 per person which includes a catered lunch. Send your name, address and check, and indicate if you will be able to bring milk along and what type. Mail to Berks Goatherders, c/o Mary Ellen Spotts, R3, Box 127, Boyertown, Pa. 19512 or phone: 215-689-5498. For more information contact Ms. Spotts or Sharon Shearer, 215-689-5949, or Clyde Myers, 215-378-1327.

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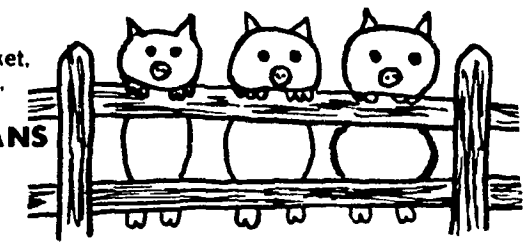

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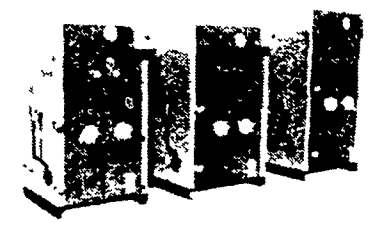

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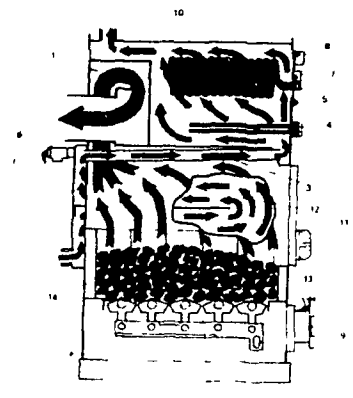

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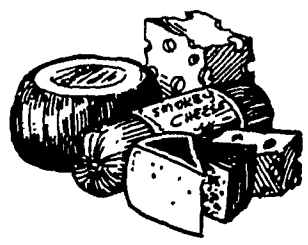
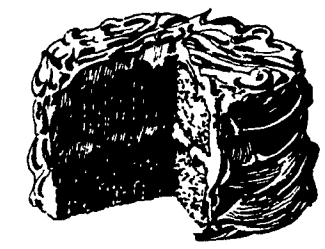


Home On The Range



Chicken, designed for your budget

Most people will agree that chicken is the most versatile meat dish available. And if you've priced it in the store recently, you will have discovered that its cost makes chicken a favorite for every budgeting cook.

Chicken tastes great in casseroles, sandwiches, and salads, and can be fixed by broiling, baking, boiling or frying.

Honey, barbecue sauce, bread crumbs, butter, marmalades, and the list goes on for the multitude of toppings that enhance chicken's flavor.

So treat your family to chicken tonight with one of the recipes on this page and make chicken your favorite meat dish too.

CHICKEN 'N SPINACH

2 slices bacon
2 T. chopped onions
1 can chicken and star soup
1 soup can of water
1/4 c. chopped, cooked spinach

In saucepan, cook bacon until crisp. Remove and crumble. Pour off all but 1 T. drippings. Cook onion in dripping until tender. Add remaining ingredients. Heat and stir now and then.

Mrs. Charles Biehl, Allentown

CHICKEN CASSEROLE

1 chicken, cooked, off bone, diced
broth of chicken
3c. diced potatoes
1 pint peas
1 pint corn

Add chicken, potatoes, peas, and corn to broth and cook until done. Thicken. Mix up biscuits and place on top of thickened mixture. I use an oblong pan. Bake at 400 degrees until biscuits are brown. This is good frozen or made one day to use the next when you will be busy.

Julia Shaull, Brogue

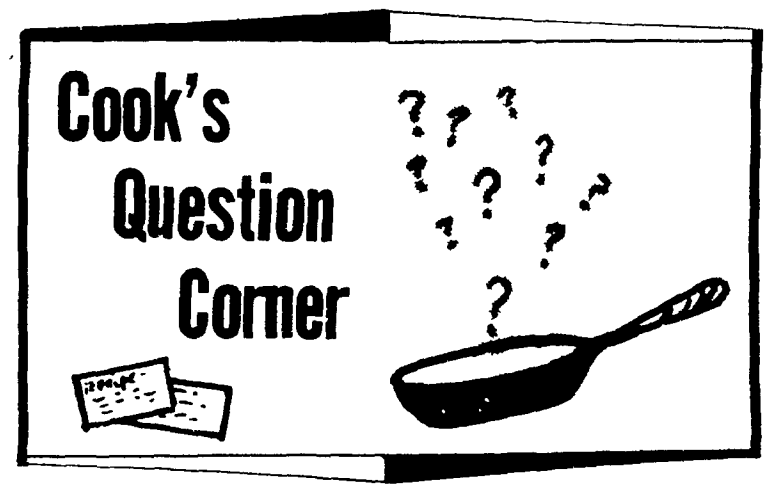
CHICKEN ETTI

1 8-oz. pkg. spaghetti
4 c. cut-up precooked chicken
1/4 c. pimento
1/4 c. green pepper
2 cans mushroom soup
1 c. chicken broth
1/4 t. celery salt
1/4 t. pepper
1 onion, grated
3/4 lb. Velveta cheese, grated

Cook spaghetti in water until soft. Drain. Add chopped chicken, soup, broth and seasonings. Add all of cheese minus 1 cup. Mix. Place in casserole dish. Sprinkle reserved cup of cheese on top.

Bake at 350 degrees for one hour.

Lemon Honey Fried Chicken is an old favorite with a new touch.



ANSWER - For the cook who recently requested a recipe for Danish Kringle is the following submission from Mrs. Robert Histand. Thanks go also to Mrs. Robert Frey of Phillpisburg, N.J. for a recipe.:

DANISH KRINGLE

1 stick butter
1 c. flour
1 T. water

Blend like pie crust.

Roll out between 2 sheets of waxed paper to size of cookie sheet. Take off top paper and place dough on greased cookie sheet. Remove other paper.

Bring to boil:
1 c. water
1 stick butter

Remove from heat and beat in.
1c. flour
3 eggs, add separately
½ t. almond flavoring

Spread this over crust. Bake about 40 minutes at 375 degrees. Frost when still warm with thin powdered sugar icing, using ½ t. of almond flavoring to icing.

Mrs. Robert Histand
Wycombe, Pa.

Recipe Topics

February	
5	Cakes taste great in winter
12	Valentine specials
19	Keep 'em happy with fish
26	What to do with leftovers
March	
5	Pies for perfect pleasin'

LEMON HONEY FRIED CHICKEN

1 broiler-fryer chicken, cut
1/2 c. lemon juice
1 T. honey
1/4 t. marjoram
1/4 t. tarragon
1 t. salt
1/2 t. pepper
1/2 c. plus 3 T. flour, divided
2 c. cooking oil
2 c. hot water

In small shallow dish, mix together lemon juice, honey, majoram and tarragon. Place chicken in mixture, one piece at a time, turning to coat; reserve excess mixture. Sprinkle chicken with salt and pepper. Place 1/2 c. flour in another shallow dish and add chicken, one piece at a time, dredging to coat. Place oil (about 1-inch deep) in large frypan and heat to high temperature.

Add chicken and cook about 5 minutes, turning to brown on all sides. Reduce heat to medium high and continue cooking about 15 minutes more or until fork can be inserted in chicken with ease. Remove chicken from frypan; set aside and keep warm.

Drain all but 2 T. of the oil and pan drippings; return temperature to medium high. Add 3 T. of the flour and stir to brown, about 1 minute. Slowly stir in hot water and 2 T. of the reserved lemon juice mixture. Cook about 3 minutes, stirring until thickened. Serve tangy gravy hot with chicken.

National Broiler Council

Mexican Chicken Soup will make you a winner every time you serve it.

MEXICAN CHICKEN SOUP

1 broiler-fryer chicken, cooked and cut
2 T. cooking oil
1 clove garlic, quartered
2 T. vinegar
1 T chili sauce
1 t. salt
1 t. chili powder
1/2 t. tarragon leaves
1/4 t. dry mustard
3 drops bottled hot sauce
4 c. chicken broth
1 can tomatoes, (16 oz.) cut in small pieces

In large frypan, heat oil to medium temperature. Stir fry onion and celery reserved form chicken broth (add water to reserved broth to make the 4 cups) with garlic for about 2 minutes. Stir in vinegar, chili sauce, salt, chili powder, tarragon, dry mustard and bottled hot sauce. Add chicken broth and tomatoes. Bring to a boil, stirring often. Reduce temperature to low and simmer for 15 mintues. Add cooked chicken and continue to simmer for 10 minutes more. Serve hot with corn chips.

National Broiler Council

(Turn to Page B7)

Know the rules of furniture first aid

YORK—"The first rule of furniture first aid is the same as for personal first aid — act quickly," says A. Joan Lamberson, Extension home economist.

The quicker you remove the cause of the damage, the less damage you will have. Wipe up any spills immediately. "Actually, wipe isn't the right word," Lamberson says. "Blot the spill up, and always use a clean absorbent cloth."

The most serious accidents are those that involve nail polish, milk, perfume, medicines or anything that contains alcohol. If left too long, both milk and alcohol tend to soften a finish.

After you blot up the spill, rinse with a damp cloth to be sure all spilled liquid has been removed. Be sure to dry the surface thoroughly, always with a clean absorbent cloth and always wiping with the grain. Then apply wax or polish over the entire surface, not just where the spill occurred.

White spots caused by alcohol can be removed by a creamy paste or ordinary baking soda and a good paste wax. Rub the mixture with your fingertips until the spot disappears. Wipe off, clean with a damp cloth, and repolish.

If the white spots were caused by hot dishes, as is often the case, rub the area with a soft cloth dampened with a few drops of mineral oil. Then, as always, rub vigorously with a clean, dry cloth and wax.

Water marks will usually disappear when rubbed with camphorated oil. The same treatment can be used for milk stains.

If a stain still shows after one of these treatments, rub lightly with a little silver polish. Other simple remedies for white spots or rings are toothpaste, ordinary table salt mixed with oil, or a few drops of ammonia on a damp cloth.

Chicken dishes

(Continued from Page B6)

SPICY CHICKEN WITH WINE-MUSHROOM SAUCE

1 broiler-fryer chicken, cut
1/2 c. flour
1 t. salt
1/2 t. ginger
1/2 t. nutmeg
1/2 t. coriander
1/2 t. allspice
6 peppercorns, cracked
1/8 t. garlic powder
1/4 c. butter
1 T. olive oil
1 c. hot water
1 small can mushroom stems and pieces, not drained

In shallow dish, mix together flour, salt, ginger, nutmeg, coriander, allspice, peppercorns and garlic powder. Reserve 2 T. of mixture; to remainder add chicken, one piece at a time, dredging to coat. In large frypan, place butter and olive oil and heat to medium high temperature. Add chicken and cook, turning, about 15 minutes or until brown on all sides. Remove chicken from pan and set aside; drain off all but 2 T. of oil from frypan. Add reserved 2 T. flour mixture to oil, stirring to brown, about 1 minute. Slowly add hot water, stirring constantly to make a smooth sauce; add mushrooms and wine. Return chicken to frypan; cover and cook about 15 minutes, or until fork can be inserted in chicken with ease. For thicker sauce, remove lid and cook 5 minutes more.

DELICIOUS SURPRISE CHICKEN

1 broiler-fryer chicken, cut
1 T. cooking oil
1/2 c. chopped onion
1/2 c. chopped green pepper
1 clove garlic, sliced
1 t. salt, divided
1/4 t. pepper, divided
1/2 c. unsweetened pineapple juice
2 T. lemon juice
1/2 t. Wrocestershire sauce
1/2 t. dry mustard
1/4 t. oregano

In large frypan, heat oil over high heat. Add chicken parts and cook about 10 minutes, turning until brown on all sides. Reduce heat to medium, push chicken to side of frypan and add onion, green pepper and garlic. Saute about 5 minutes, stirring often. Place chicken on top of vegetables and sprinkle with 1/2 t. of the salt and 1/8 t. of the pepper. In small bowl, make sauce by mixing together pineapple juice, lemon juice, Worcestershire sauce, mustard, oregano and remaining salt and pepper. Pour sauce over chicken, cover and simmer over low heat for 30 minutes. Remove cover and cook 10 minutes more or until sauce is thickened and fork can be inserted in chicken with ease. Serve with hot noodles.

National Broiler Council

Scratches on wood furniture can be hidden

YORK—Part of the beauty of fine wood furniture is the patina, or oxidation, it acquires through normal use.

Something else furniture acquires in most households is a series of nicks, scratches and dents, too noticeable to be chalked up to "patina."

A. Joan Lamberson, Extension home economist suggests several possible cures to hide those scratches.

First, try polishing with a scratch-concealing polish. Apply the polish to the scratch, then polish the entire surface, rubbing with the grain.

If that doesn't work, you may need to remove the wax with mineral spirits and apply a touch-up stick. These are available in all wood tones at most hardware and paint stores. Follow directions that come with the product.

A coloring crayon may be used to hide rather deep scratches. Shoe polish in a tone to match the wood is an old favorite, Lamberson says. Another is half a nut meat, such as a Brazil Nut, Black Walnut or Butternut.

Sometimes dipping extra fine steel wool in paste wax and rubbing the surface very gently will hide a scratch or blemish. This often works after nail polish or fresh paint has been spilled.

Dents, if not too deep, can be removed by placing a dampened blotter over the dented area and applying a warm, not hot, iron to the blotter. Redampen the blotter and repeat until the dent disappears.

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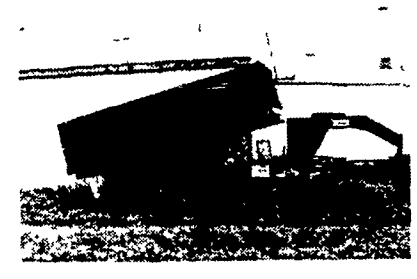
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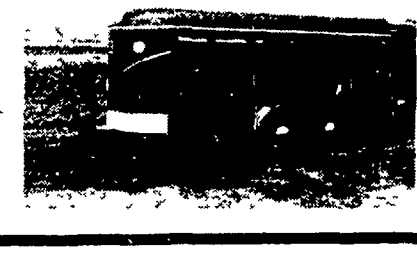
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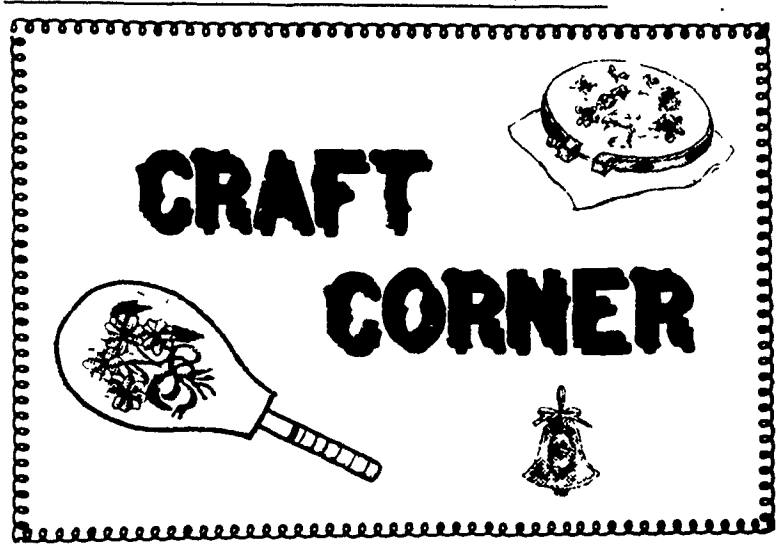


Creature comforts

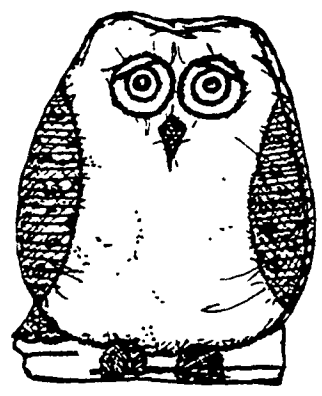
Pillows, shaped like owls, frogs and other critters are simple to make, but far more fun than conventional cushions.

The pillows are a combination of applique and simplified quilting. They require fabric scraps, polyester batting and minimum of drawing skills.

In other words, if you can copy the simple owl pictured above, you'll have no trouble making a "creature" pillow. Here are directions:

FABRICS: Scraps of felt, broadcloth, duck or any medium-weight, non-stretch fabric. Choose a solid color for the body of the pillow and contrasting solids or prints for the appliques.

OTHER MATERIALS: Polyester batting; unbleached muslin, measuring about 13x16 inches; paper, pencil and ruler; scissors; zig-zag sewing machine or embroidery thread.



PATTERNS: 1. Cut paper to 12x15 inches. This will be the size of your finished pattern. 2. For the owl body, draw an egg shape that is cut off at the top. 3. Under the owl's body, draw a branch for him to sit on, and talons to let him grasp the branch. 4. Cut wings, branch, talons, tail, beak, eyelids, and eyes. Note: Eyes are ½ inches, 1½ inches, and 2½ inch circles in black, blue and white.

PILLOW FRONT: 1. Place pillow front, right side up, over polyester batting and unbleached muslin. 2. Arrange wings, branch, talons, tail, beak, eyes, and eyelids on top. 3. Baste all pieces in place. stitching through all thicknesses. 4. Using zig-zag sewing machine or hand embroidery, stitch pieces to pillow front with a wide satin stitch. 5. Embroider extra details as desired, such as the "cracks" in the owl's branch.

PILLOW ASSEMBLY: 1. With right sides together, stitch pillow front to pillow back. Leave opening at bottom for turning. 2.Turn pillow to right side. 3. Stuff pillow lightly. 4. Sew opening shut with tiny blind stitches.

Certain Douglas fir trees repel gypsy moth larvae

UNIVERSITY PARK — Forest scientists of the Ag Experiment Station at Penn State, have discovered that gypsy moths either like or dislike the needles of Douglas fir trees, depending upon the aroma of sap in the needles.

The studies found that gypsy moths do nc like the flavor of Douglas fir trees grown from seed originating in Colorado, Arizona, or New Mexico.

On the other hand, Douglas fir trees grown from seed originating in British Columbia, Washington, Idaho, or Montana are like "cake and ice cream" to gypsy moth larvae, according to Edgar H. Palpant, research assistant in forestry at Penn State. He noted that the "larvae really devour needles from these strains."

Palpant said Douglas fir plantings in Pennsylvania alone are currently worth over 75 million dollars. This shows the value of planting trees from seeds originating in Arizona, Colorado, or New Mexico, he added.

The trees repelled by gypsy moths are the bluish-colored strains common in the southern range of Douglas fir country. Strains damaged by the larvae are the gray variety common to areas of the Pacific Northwest.

"There is strong evidence showing that a series of substances called terpenes — part of the liquid mixture that makes up the sap in evergreen trees — attract gypsy moth larvae," he stated. "Very small amounts escape from the needles and act as a perfume," he added.

Palpant believes, meanwhile, that some terpenes must be repulsive to the gypsy moth larvae.

Larvae of the gypsy moth normally prefer the leaves in oak-hickory forests. However, the larvae move into nearby Christmas tree plantations in epidemic years of gypsy moth outbreaks when the leaves of oaks and hickories have all been devoured.

The Penn Staters first noticed the peculiar feeding choice of gypsy moths in 1980 when very young larvae — sucked into a closed greenhouse through the ventilating system — were deposited randomly among young Douglas fir seedlings. It was obvious that only the seedlings from certain geographic origins were being eaten.

Then Paul Heller and David Shetlar of Penn State's Department of Entomology were brought in to verify and expand the observations and measurements. Their analysis continued to point to gypsy moth preference for plants from Pacific Northwest seed origins.

At the advice of Heller and Shetlar, Palpant and student assistants trapped a large number of gypsy moth larvae and put them in nylon mesh cages containing three assortments of Douglas fir trees. Seedling trees predicted to be "susceptible" were in one cage. A second cage contained trees thought to be "resistant." and the third cage held a mixture of seedling trees from all sources.

Two forestry students — Kimberly A. Marshall of Pittsburgh and John W. Washington of Riverton, NJ — kept track of the larvae behavior. The results were identical to those in earlier experiments. Needles on Pacific Northwest seed-source plants were devoured while those originating in Colordao, Arizona, and New Mexico were not eaten.

"Our research should serve as guide to Christmas tree growers in managing Douglas fir plantations," Palpant commented. "If susceptible varieties are grown in the future — because of other favorable traits — then growers will know they must spray with insecticides."

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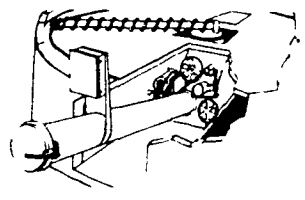
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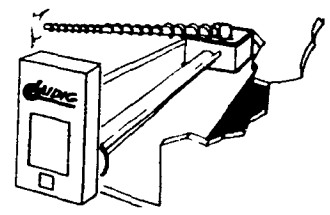
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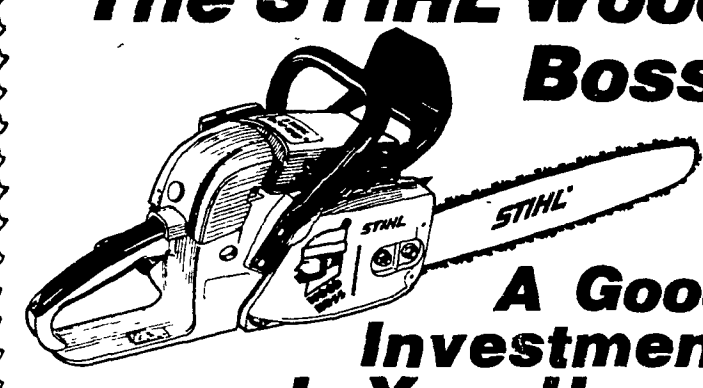
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Farm Women Societies

Lancaster Co. Society 7

Lancaster Society 7 held their January meeting at the home of Esther Hoffer, recently.

Guest speaker was Dr. Marlin E. Wenger, specialist in arthritis.

The next meeting will be held at the home of Frances Eshelman, Paradise, on Feb. 12.

Lancaster Co. Society 14

Lancaster Society 14 met at the home of Arlene Esbenshade recently to make cancer pads for the Cancer Society.

Members Esther Landis, Nora Herr, and president Clara Rohrer, gave reports on the state convention in Harrisburg.

The next meeting is scheduled for Feb. 9 at 1 p.m. at the home of Ellen Newswanger.

Lancaster Co. Society 21

Lancaster Society 21 met recently at the home of Abbie Bradley for a seed exchange.

Guest speaker for the evening was Sara Summers discussing flower arrangements for Valentine's Day, proper procedures for transplanting, and correct fertilizer to use for each.

Lancaster Co. Society 22

Lancaster Society 22 met on Jan. 18 at the Farm and Home Center to hear speaker Barbara Martin talk about different kinds of bread, types of flour and the process of making breads from scratch to finish.

The next meeting will be held on Feb. 8 at 9:30 a.m. at the home of Mrs. Raymond Witmer of Willow Street and will feature a craft day.

Lancaster Co. Society 27

Lancaster Society 27 met on Tuesday, Jan. 18 at the home of Mrs. Arthur Wenger, R6 Manheim, to hear Joyce Wenger, R.N., talk about heart disease.

Society 27 will be joined by Society 28 on Thursday, Jan. 20 to play bingo with guests at Conestoga View.

Lancaster Co. Society 31

Lancaster Society 31 met recently at the home of Anna Mary Glick to hear reports from the state convention.

Members will be visiting Conestoga View on Feb. 17 along with Society 30.

The next meeting will be held Feb. 21 at the home of Debbie Wenger to hear Sharon Allamong talk about candlewicking.

Berks Co. Society 6

Berks Society 6 met at the home of Mrs. David Hauseman recently to review the by-laws and the Farm Women constitution.

Members voted to sell refreshments during two sales at the Oley Fire Company grounds — Jan. 29 and Feb. 5.

The next meeting, scheduled for Feb. 15, will be held in the home of Mrs. Carl Herbein, R2 Oley. The speaker will be Judy Stoudt from the Ag Center in Leesport speaking on vegetable diseases.

Fulton Grange 66

Fulton Grange 66 met on Jan. 24 at the Oakryn hall to hear Laura McSparran present a program on safety.

Discussion included dangers farmers encounter with toxic gases, mixing alcohol or gasohol with diesel fuel, and wood burning stoves.

Dr. William Bachman, director of the Walter L. Aument Family Health Center in Quarryville, addressed the problem of frostbite and hypothermia and how to treat them.

The next meeting will be held on Feb. 14 at the Grange Hall.

Chester-Delaware Grange 3

The Chester-Delaware Pomona Grange No. 3 met on Saturday, Jan. 8 at the Kennett Grange Hall for their regular quarterly session.

The Grange will be celebrating Grange Week on April 24 through 30.

At the next meeting, a crafts and hobby contest will be held.

Members of the Chester-Delaware Pomona Grange will join the Russellville Grange on April 9 at their grange hall.

Elizabethtown Grange 2076

Elizabethtown Grange 2076 met on Jan. 21 to hear Margaret Trotta talk about the color chart relating to personalities.

January 29 will be the night for dinner theatre with Fulton Grange.

"Hershey Night" will be the theme for the next meeting on Feb. 3 when speaker Richard Hann, agri-business administrator of Milton Hershey School, will conduct a film on the Hershey facilities.

Pa. milk production climbs

HARRISBURG — Pennsylvania milk production during December totaled 766 million pounds, up four percent from a year earlier, according to the Pennsylvania Crop Reporting Service. The number of milk cows in the Commonwealth averaged 737,000 head, up 7,000 head from a year ago. Milk production per cow averaged 1,040 pounds in December, up 30 pounds from a year ago.

Milk production in the state during the October-December quarter totaled 2.3 billion pounds, four percent above the comparable period in 1981 but one percent below the July-September 1982 quarter. Milk production per cow for the quarter averaged 3,114 pounds, 73 pounds more than in the fourth quarter of 1981. Total milk cows in Pennsylvania averaged 736,000 head during the quarter, up 8,000 head from the October-December 1981 average.

Grain and other concentrates fed to milk cows in the commonwealth on Jan. 1, 1983 averaged 15.5 pounds per head, down 0.2 pounds from Jan. 1, 1982. The value of grains and other concentrates fed to milk cows on Jan. 1, 1983 averaged $7.90 per hundredweight, down 60 cents from a year earlier.

U.S. milk production during the October-December quarter totaled 32.8 billion pounds, three percent above the comparable period in 1981 but three percent below the July-September 1982 quarter. Milk production per cow for the quarter averaged 2,966 pounds, 54 pounds more than in the fourth quarter of 1981. Total milk cows in the United States averaged 11.1 million head during the quarter, about one percent more than the October-December 1981 average.

Grain and concentrates fed to milk cows across the country on Jan. 1 averaged 15.9 pounds per head, the same as a year earlier. The value of grains and other concentrates fed to milk cows on Jan. 1 averaged $7.28 per hundredweight, 32 cents below a year earlier.

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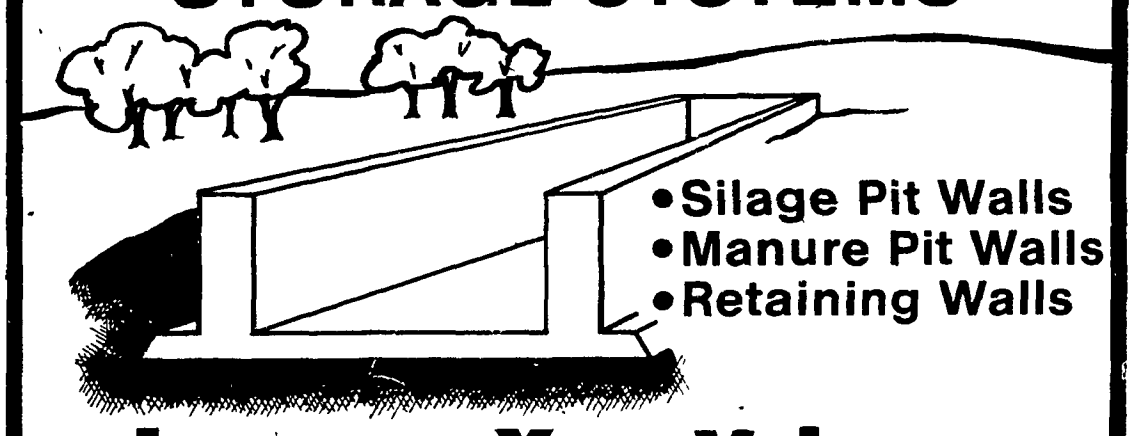

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Kid's Korner

Early Indian farmers leave glyphs in Tennessee cave

KNOXVILLE, Tenn. — Come explore Mud Glyph Cave.

First, slide down the entrance hole for about eight feet at a 45-degree angle. Take a good look at that slide; it's not just the only way in, it's the only way out.

With belly down, crawl a few feet to the first "room." Crawl through a tiny hole in a wall barely big enough for a human body, wade through an underground stream, walk bent-over beneath an overhanging rock ledge, squeeze through a second hole, and slither belly-down again to enter a room large enough to stand up in.

Now look up. There, incised on both walls of a long, narrow corridor that extends for about 100 yards, are drawings, hundreds of them. There are human stick figures and more sophisticated human faces, pictures of birds and serpents and turtles, geometric designs, and drawings that look like simple squiggles.

Those squiggles are meaningless to modern Americans, but they may have had some significance to the earlier Americans who put all these glyphs here: Indians who lived in the vicinity of this east Tennessee cave from the 12th through the 16th centuries.

"Picture yourself as an Indian, barefoot and naked except for your loincloth, carrying cane torches and crawling in here for the purpose of putting these drawings here," says Bill Deane.

Deane is a professional photographer and a caving veteran who has been photographing the glyphs as part of a research team.

Charles H. Faulkner, a professor of antrhopology at the University of Tennessee here, is leader of the team, which is funded by the National Geographic Society. He says the cave is unique, that scientists know of no other cave that Indians entered solely to carry out ritual.

The medium, too, is unique: the glyphs were made using either a finger or a sharp stick, and incised into the soft, damp mud clinging to the cave walls. Because of the cave's dampness, the glyphs have been preserved over the centuries but were unknown until a U.S. Forest Service ranger, who also is a spelunker, found them in 1979.

"Some of the motifs in the cave are found on copper plates and shell pendants that date back to the 13th and 14th centuries," says Faulkner.

"The important thing about this site is that it gives us a much larger repertoire of Mississippian motifs than we have already. Until now, we've had artistic expression only on nonperishable items like shell or copper or bits of bone. This is the first time we've found these motifs on clay.

"And the style, which is kind of crude, might indicate that ordinary people were going in there and trying to copy the religious iconography of the time."

Scientists have known for some time that prehistoric American Indians entered caves. But in other cases, they were seeking shelter or minerals. That applies, for example, to Kentucky's Mammoth Cave, where the mining history was studied by Patty Jo Watson of Washington University in St. Louis, another member of Faulkner's team.

But preliminary archeological digging disclosed no evidence of mining in Mud Glyph Cave. There was no sign of tools or tool refurbishing, no pottery, no food remains — no artifacts at all except for the charcoal residue of torches used to light the cave.

"As far as we can tell, this cave was entered only for ceremonial or ritual purposes," Faulkner says.

A combination of radiocarbon dating of the charcoal residue and identification of the known motifs found on the cave walls helped place the time the drawings were made.

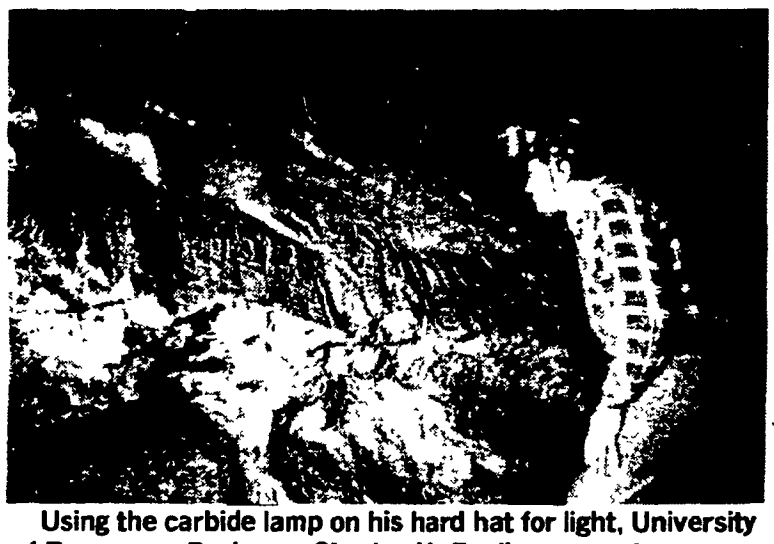
"Quite a number of Mississippian Indian sites have been excavated in east Tennessee," Faulker says. "We know what their villages were like, we know what their houses were like, we have a good handle on their material culture."

The people living in the vicinity of the cave between the 12th and the 16th centuries came from the dallas culture, named for a Tennessee River island, Faulkner says.

The Dallas culture emerged about A.D. 1200 and may be ancestral to either the Creek or the Cherokee peoples. The Dallas Indians were a farming people who grew corn, beans, and squash and lived in villages with a chieftainship and a high priesthood. Their square houses had hearths in the middle, and had walls made of mud or clay covered with thatched roofs.

From the formal art of the Mississippian Period, scientists have concluded that the art on the copper plates and shell pendants was executed by training artisans.

(Turn to Page B11)



Using the carbide lamp on his hard hat for light, University of Tennessee Professor Charles H. Faulkner examines some of the glyphs incised on the mud-covered walls of an east Tennessee cave. Scientists know of no other North American cave where prehistoric Indians drew on the walls in this fashion.

The figure of a bird, possibly a great horned owl, is seen on the wall of a cave in east Tennessee. Scientists say drawings in the cave made by prehistoric Indians date to between the 12th and 16th centuries.

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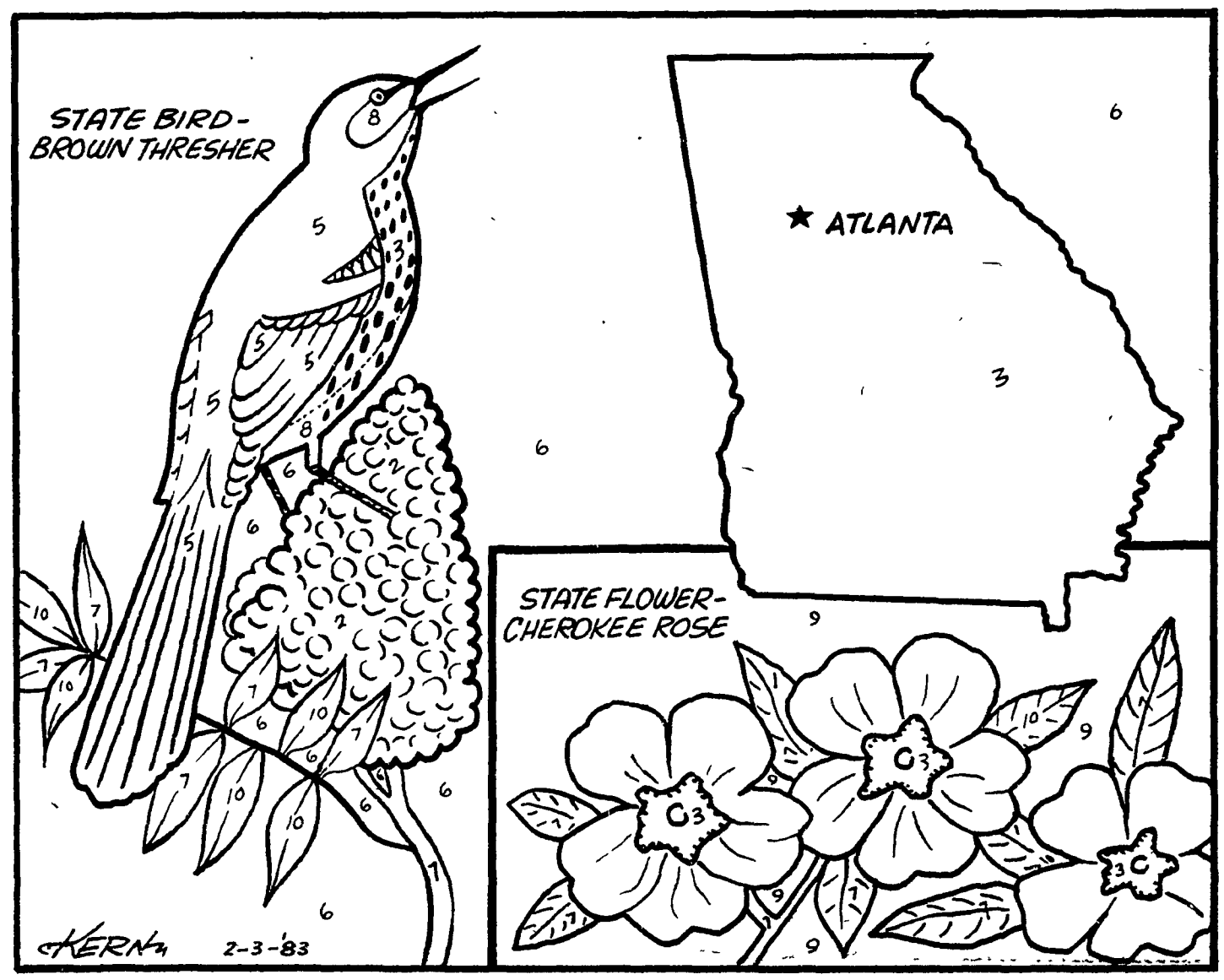

Indian farmers

(Continued from Page B10)

Many of their motifs - woodpeckers, turtles, "weeping eyes," "eagle warriors," and others — are found, more crudely executed, in Mud Glyph Cave.

In some cases, a drawing in the cave appears to have been struck with a club, suggesting an attempt to harm the real object the glyph represents. Scientists call this imitative magic.

In other cases, Faulkner believes, the Indians who made the glyphs may have been engaged in "vision questing" — seeking out a vision that could help tell the future — or in hunting magic — seeking diving assistance in future hunts.

"What I'm interested in is whether there are more of these caves around there," Faulkner says. "I've been in other caves where there is mud on the walls that has been there for a long time, and it's obvious that Indians have been in there from other evidence, and we don't see any drawings."

Isn't it possible that the glyphs were made as a form of artistic expression rather than for a practical purpose? Faulkner, recalling how hard it is to reach the glyph corridor, doubts it.

"It's possible, but I don't think so," he says. "If they went all the way back in this cave to do this art, I don't think they were doing it just for the fun of it."

Boots and Saddles Club elects officers

LANCASTER — The Boots and Saddles 4-H Club elected officers during their first meeting of the new year.

Elected were: president, Gail Graver; vice president, Kris Buck; secretary, Valerie High; treasurer, Bus Spaun; news reporters, Jennifer Eckel, Krista Knox, Jennifer Rodriguez and Kari Nachbar.

The next meeting will be held on Feb. 11 at the Farm and Home Center. Anyone interested in becoming a member should call 569-8692.

Help your dog be a good neighbor

LANCASTER — The 1983 Pennsylvania Dog Law does more than spell out this year's licensing fees. It reminds us that we are responsible for our dog's behavior. According to Dr. L. Dwight Schwartz, Extension veterinarian at Penn State, the law can help you and your dog be good neighbors.

If your dog is six months of age or older, be sure you get a license from your county treasurer or licensing agent. It's not expensive and it's not intended to be a nusiance tax. Dog licenses are an important element in the statewide mandate to maintain peaceful co-existence between dogs and people.

All dogs must be kept on your property or under reasonable control. Some local governments further specify that dogs should be leashed when not confined. Check your dog ordinance to be sure of the requirements in your area.

If you let your dog run at large, unaccompanied, on public streets or other people's property, any police officer or state dog warden can seize and detain it. Even worse, if your dog is considered to be a threat to public health and welfare, it could be killed on the spot!

Once caught running loose, your dog will be kept and fed, but you will have to pay a fine and pay for its keep before you can have it back. The owner listed on your dog's license will be sent a notice, by certified mail, to collect the dog within five days. If you don't collect the dog by that time, it can be sold or destroyed in some humane manner. If your dog is running loose without its license, the police or dog warden will have no way of contacting the owner. Then your dog may be destroyed after 48 hours.

Anyone who sees dogs pursuing, wounding, or killing livestock, poultry, other dogs, household pets, or attacking humans can kill the dog on the spot without liability. In addition, the dog owner is liable for all damages and medical costs.

Anyone attacked by a dog can make a complaint of trespass, charging the owner or keeper with harboring a vicious dog. That person will be given a summon and have to appear before the district justice. Once a dog is designated vicious, if it is not confined, the owner or keeper may have to pay fines of $100 to $500 and have to post bond to insure payment for additional damages or injuries.

If your dog bites, it could be detained and isolated for 10 days or longer and you will have to pay all medical costs of the victim as well as costs for the dog's confinement.

If you want more specific information on the dog laws in your area, contact your local police and ask. Most incorporated areas, cities and towns have specific laws which you and your dog must obey to be good neighbors.

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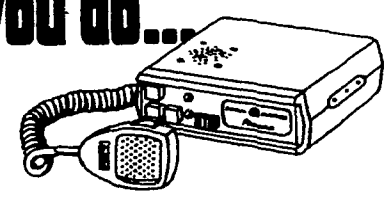

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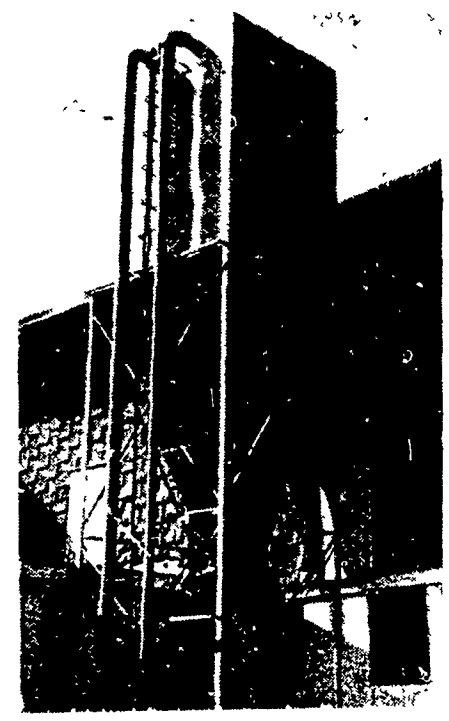

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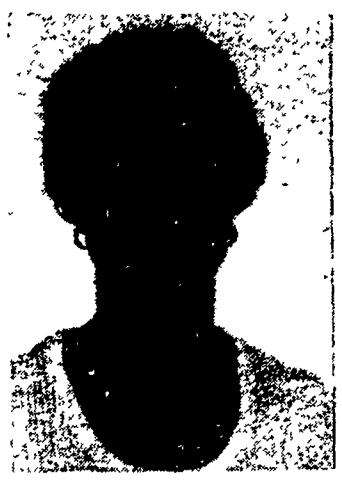

On being a farm wife -And other hazards

Joyce Bupp

Cussing at cows, warns a Russian folklore specialist, is partly the reason that Soviet milk production has been steadily declining in recent years.

With U.S. milk production continuing to head the other direction, what does that say about how our domestic dairymen feel about, and treat, their matronly milkers?

Not that a cow or two might not win a few choice words now and then on most any farm. (On this farm, however, cussing - period - is frowned upon.)

But in every crowd of cows, just as in any crowd of people, there are those couple of characters than unendingly try your patience and somehow manage to be outstandingly ornery.

Etta, a heifer near the far end of the stall barn here would probably win the "Aggravator of the Year" statuette if a vote would be taken at the moment.

Excitable Etta might be a more appropriate label. Etta works up in a lather when she sees milkers approaching. Not upset. Just excited.

She's also doggone nosy, and has the habit of sticking her broad black and white nose under the belly of her neighbor, Arlene, as that cow is being prepped for milking.

Arlene, at the same time, is not you most unflappable animal, and doesn't cotton too well to being poked and prodded with such intimacy from her nosy neighbor. Arlene's reaction to Etta's little peek-a-boo-beneath-the-belly game is to send the milkers flying. Occasionally she'll connect with the operator as well.

On an angle across the alleyway is another interesting youngster. Amazing, sometimes, how a cow name so perfectly fits the individual.

Jig is our current dancer in the herd. All we'd need to do is outfit her with a colorful kilt and a bag pipe, and we could enter her choreographed routine around the stall in a Scottish folk festival. Still, Jig's no problem to milk - unless you have trouble hitting four moving targets with the teat cups.

And, then, there's Dee, a newcomer to the herd, and a specialist in head and neck aerobic exercises.

Dee is over-friendly to male milkers, routinely yanking off their hats to lick the silage-dusted heads beneath.

Women, however, get a different treatment. Charlie, our super-duper herdsman, speculated that Dee dislikes women. She innocently waits until one of us two-legged females gets within whacking distance, and then swings that muscular, hard-skulled head with the force of a battle-ax.

Dee is not my favorite cow.

Interestingly, Dee, Etta and Arlene are all on the same side of the barn.

Guess which side I generally keep to when I milk?

Penn State offers farm construction course

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Subjects discussed include planning the farm homestead, construction materials, foundations, framing, roofs, insulation and vapor barriers, painting and fence construction. Drawings supplement the text.

The course is an excellent source of information on specific building and repair problems encountered by homeowners. You can get your personal copy of the course by sending only $9, including handling, to Farm Buildings, Dept. 5000, University Park, PA 16802. Make check payable to Penn State.

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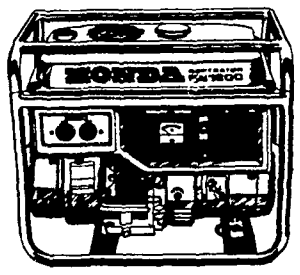

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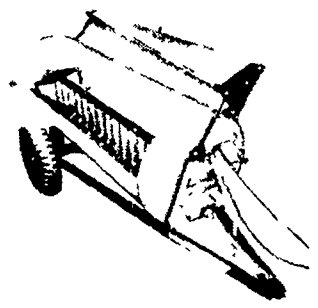

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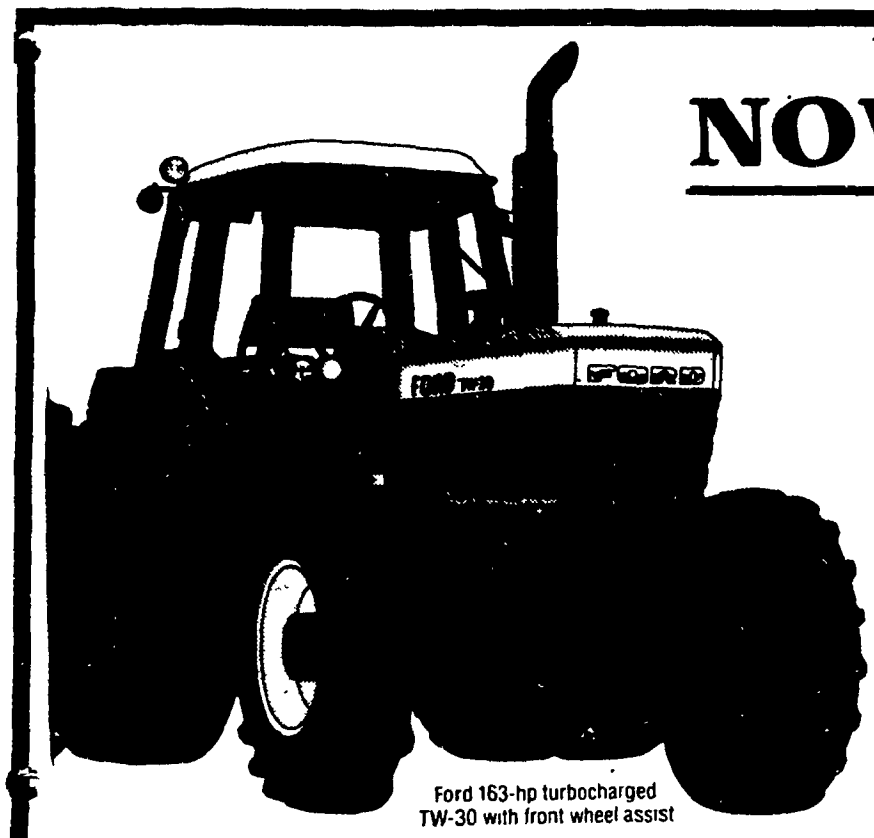

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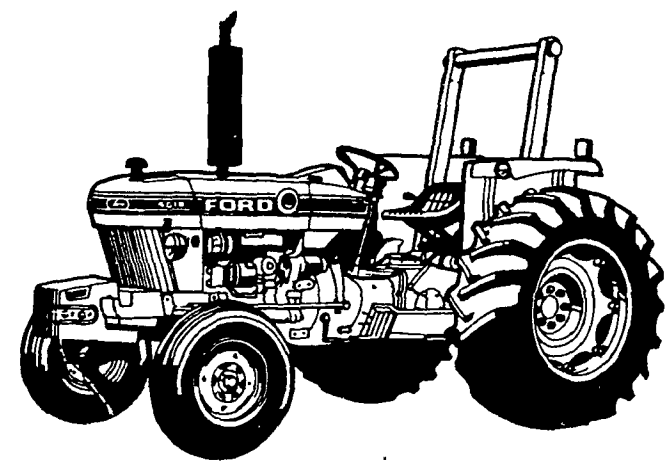

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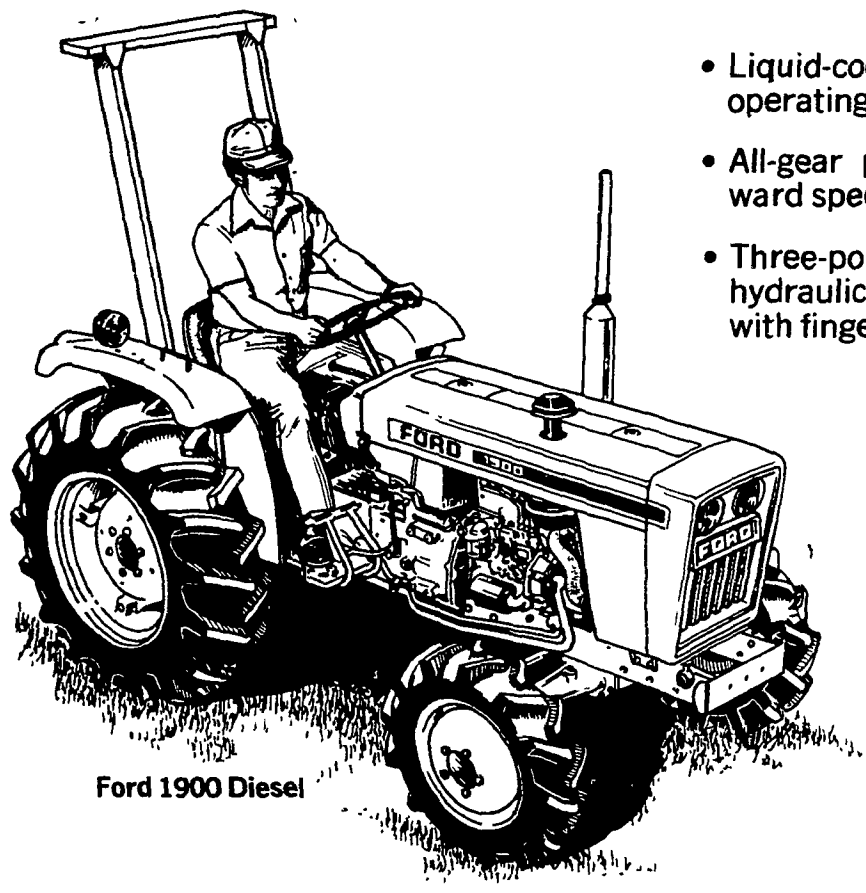

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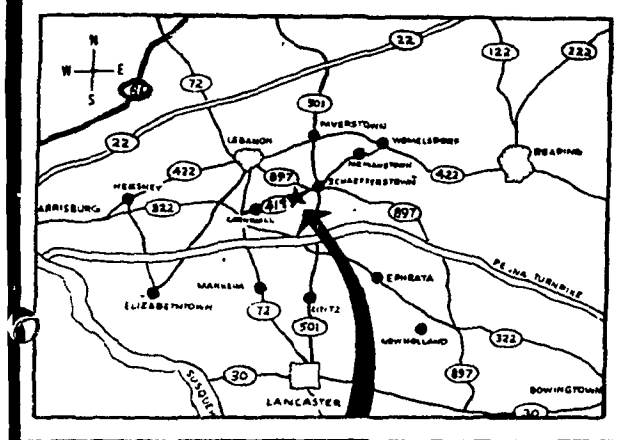

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Annual hort meeting covers research gamut

BY DICK ANGLESTEIN

HERSHEY — The 124th Annual Meeting of the State Horticultural Association of Pennsylvania and the 1983 Vegetable Conference was held this week at the Hershey Convention Center.

Everything you'd ever want to know about fruits and vegetables was covered at one time or another during the three-day program. An extensive trade show was also held.

Scores of different subjects concerning the latest in research for the fruit and vegetable grower were reviewed.

Here are just a few of the activities:

Will more Pa. farming be done under glass?

HERSHEY — If Penn State has its way, more of Commonwealth farming will be put under glass.

This was one of the research proposals advanced by Sam Smith, Dean of the College of Agriculture at Penn State, in a talk at the State Hort Meeting this week.

"We've applied for research money to study the expansion of the use of greenhouse farming in Pennsylvania," Smith said.

"The objective of the research will be to not only expand the types of farming possible under glass but to reduce energy consumption by some 85 percent over five years."

Dr. Smith held up greenhouse farming as an example of the high technology agriculture that must be practiced by both researchers and farmers alike to keep U.S. farming in the forefront.

(Turn to Page B15)

Samuel H. Smith

Do you prefer to drink apples?

HERSHEY — Do you prefer to drink your apples rather than eat them?

Apparently a lot of people do favor taking their apples in the liquid form, according to Frank Emerson, cider researcher at Purdue University.

And if he has his way, his studies outlined at the annual State Horticultural Association meeting this week at the Hershey Convention Center will help promote this liquid apple trend.

There was a time that pressing cider was primarily an orchard sideline of a way of getting rid of the excess or rejected fruit that couldn't be sold for the eating market.

But this has all changed.

"I've found that some growers are putting tree-run and graded fruit into their cider," Emerson explained.

"And they're finding it almost as profitable or even more profitable than handling packed fruit with all of its extra labor."

This trend toward producing more cider is what spurred Emerson into his liquid apple research at Purdue in just the past couple of years. When he started to look around for resource material, he found that the latest studies were dated 1941.

"We've found that cider has become a profitable and interesting outlet for apples and has been built up almost entirely without the benefit of any recent research."

In fact, cider production has become so important to the apple industry that varieties are being developed just for pressing.

One of the problems of making cider is that sweet apples, like the Delicious, don't ripen until a month or more after the more acid apples. This interferes with proper cider blending unless juice from either type is stored.

So, research is now going into early sweet varieties which will ripen just about the same time as the acid apples and permit earlier cider production.

A lot of Emerson's research has gone into developing the proper blend for making cider. His preliminary findings favor a blend that includes 50 to 60 percent of apples in the medium acid-sugar ratio range, 30 to 40 percent of sweet apples and about 10 percent of the high acid or aromatic apples.

"Don't forget that consumers tend to taste with their eyes," Emerson said.

"Our studies still show that they expect farm-fresh cider to be a little cloudy. They associate the clearer type with the stuff you can buy in the supermarket."

Another phase of the research has dealt with the type of press used. Emerson has compared the Shinko, a continuous rotary type press, with the Champion, the batch lot rack and cloth.

He has found that the Shinko has cut labor costs about eight sents a gallon and that can add up to a lot more profits.

Emerson also favors using rice hulls as a pressing aid since it increases the amount of juice extracted. His studies have shown an income increase of about $1.00 a bushel from apples pressed with rice hulls.

Other preliminary findings in his cider studies show:

—There doesn't appear to be

(Turn to Page B15)

Commonwealth's champion tomato growers receive honors

HERSHEY — Pennsylvania's top tomato growers were honored at an awards luncheon held Tuesday at the Hershey Convention Center.

The growers were honored for their top yields of tomatoes grown for processing.

Participating in the awards ceremony were Ronald Brooks, Mid-west Regional Manager, Heinz, USA; Rocco V. Pugliese, Executive Director, Pennsylvania Food Processors Association; and Michael D. Orzolek, of the Penn State Horticulture Department.

Among the growers honored were:

—Stern Farms, Island Route, Lock Haven, for the top yield in machine harvest competition for growers with more than 100 acres. The harvest included 4,442.2 tons of useable fruit from 170 acres for a 26.1 ton per acre average yield.

—William and Brian Beckman, 2386 Avis Dr., Harborcreek, for the highest yield in machine harvest for growers with 75 to 99 acres. Their yield was 2,116.6 tons from 84.1 acres for a 25.2-ton average.

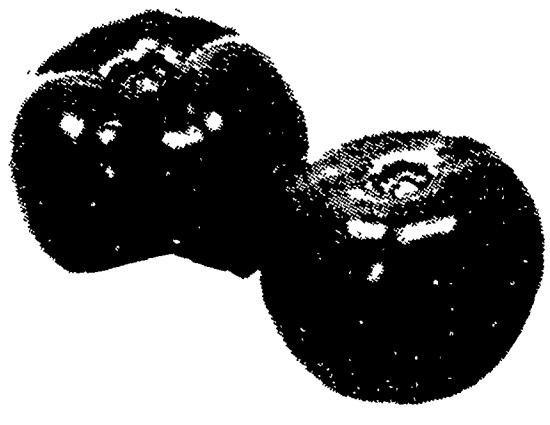
—David Kistler, R2 Kempton, won in the category for machine harvest among growers with 50 to 74 acres. His yield was 1,291.2 tons from 60 acres for an average of 25.1 tons per acre.

—Dwight and David Hess, R1 Marietta, were tops in the class for machine harvest for growers with 20 to 49 acres. Their yield was 541.4 tons from 22 acres for an average of 24.6 tons per acre.

—In the only hand harvest class in which there were competitors, Linus H. Martin, R3 Mifflinburg, won in the 5 to 14-acre category. His yield on seven acres was 206.5 tons for an average yield of 29.5 tons per acre.

George Toner, Cindy and Mark Stern
Stern Farms, Lock Haven

William and Brian Beckman
Harborcreek



David Kistler
R2 Kempton

Dwight Hess
R1 Marietta

Linus H. Martin
R3 Mifflinburg

Smith

(Continued from Page B14)

He explained that greenhouse farming has been stagnant at 10,000 acres under glass in the United States. But in places like Japan, acreage has been expanded to about 200,000 in recent years.

In Pennsylvania, there are only 700 acres under glass.

"Here in the Commonwealth we have the two biggest positive factors favoring the expansion of greenhouse farming," Smith said.

"We have easy access to markets for year-round production from greenhouses.

"And we produce more reject warm water than any other state in the nation."

The greenhouse farming proposal advanced by Penn State goes well beyond producing the traditional crops under glass. It is hoped to do research in transplants, orchard stock and even fish.

The proposed research would be coordinated with more than 20 other groups and organizations throughout the Commonwealth.

But first, it remains to be seen if Penn State is successful in getting the research funds.

Smith also spoke about another "trend" that's coming in the College of Agriculture at Penn State.

In the next three years or so about one-third of the research staff will be retiring.

"This will bring us a good blend of youth and experience to bring about the changes that are so vitally needed in ag research," Smith said.

In discussing the status of farming in Pennsylvania, Smith described it as being in transition.

He cited the need for more activity in foreign markets and developing the capability to better adapt to social and political ramifications that occur in overseas trade.

Also, he stressed the requirement to move into even higher technology in agriculture.

But he issued a warning.

While the statistics of American agricultural productivity are impressive, the steel and auto industries once boasted similar facts, he said.

The need now in ag research is not to stress more production, as in the past, but more profitable production, he said.

Pltry. Federation changes annual meeting dates

HARRISBURG — The Pennsylvania Poultry Federation Annual Conference has been changed from June to October and from one day to a day and a half.

For 1983, the conference has been scheduled for Oct. 26 - 27 at the Holiday Inn in Grantville, Pennsylvania. The expanded and all new conference is expected to draw a larger crowd as "special" and "new" functions are added for the Wednesday to Thursday noon Pennsylvania poultry gathering.

Registration and promotional activities will begin after the Annual Fund Raising Banquet on April 14, 1983, at the Hershey Convention Center.

Cider

(Continued from Page B14)

much difference in the amount of precipitate accumulating from different sized porous filters, which ranged from 50 to 200 microns.

—It may pay to devote more attention to the proper storage of cider apples since about a gallon of juice can be lost per bushel of apples between those pressed at harvest in October and those in January. And that doesn't count the moisture lost in storage. (After all, cider is 87 percent water.)

—If you think that Red Delicious apples of the past seemed to taste sweeter, you're probably right. The newer varieties are not as sweet.

—Pomice holds out just as much promise as corn or other crops for the manufacture of alcohol or methane. But more research must go into this by-product of cider production.

—Average production costs per gallon of cider has run about $1.18 in his studies to date.

—And don't write off that cider that "starts to go bad and turns hard." With about three and one-half percent alcohol, it make a good beverage that doesn't fall under federal alcohol regulations. But don't be surprised if the state people don't get after you.

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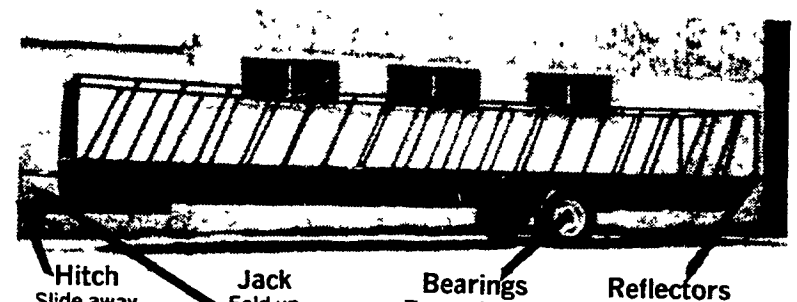

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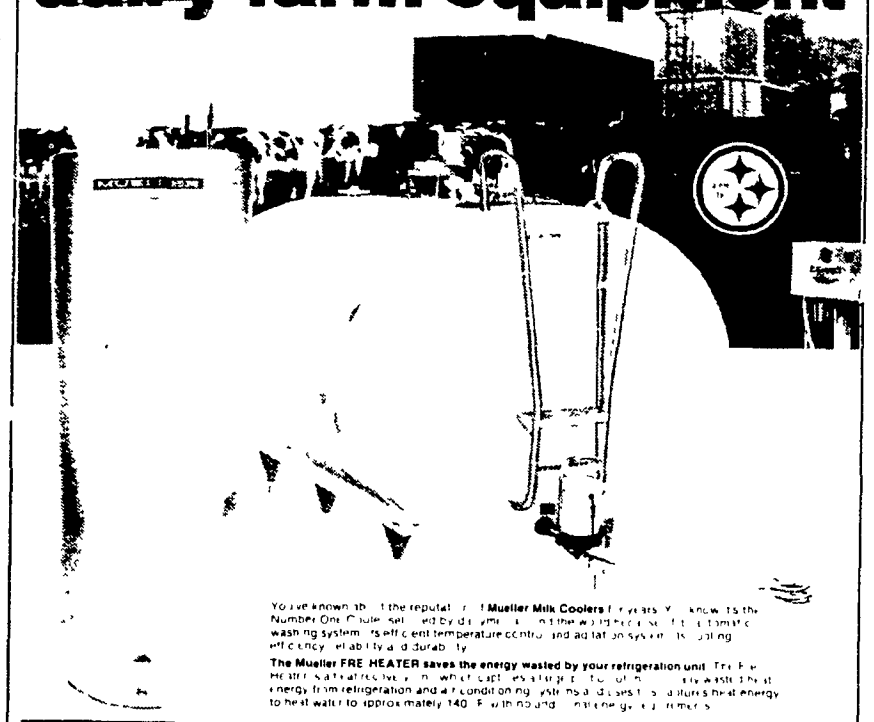

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Adams Extension holds 67th Annual Meeting

By M. Eileen Graham

MCSHERRYSTOWN — Following a roast beef dinner, the business of the 67th Annual Meeting of the Adams County Cooperative Extension Service was underway last Thursday, with President Donald Trostle noting that the Extension is part of a democratic way of life which "provides the freedom of opportunity for citizens to participate in the planning and conducting of educational programs.

Highlights of the 1982 Adams County Extension program were featured in a slidetape show prepared by members of the Extension staff and were noted in the 1983 Annual Report, also prepared by the staff and edited by County 4-H Agent Jared K. Tyson.

In the area of agriculture, County Agricultural Agent Thomas E. Piper noted that "it was the gypsy moth which made the headlines." Both farmers and non-farmers were alarmed by the heavy defoliation of forests as well as damage to orchards, gardens and shade trees by gypsy moth larvae. Pest control also was prominent feature of a four-day Tree Fruit Production school in which 71 fruitgrowers enrolled.

Emphasis has continued to be on integrated pest management, with the problems of dairymen and poultrymen also addressed, he said.

Piper also noted the donation of a microcomputer purchased by the Adams County Poultry Assn. for the Extension office and the development of marketing programs for dairy, poultry, livestock, fruit and crops farmers.

Especially successful was the seminar conducted on the use of commodity futures contracts. One of the six farmers who attended reported that the training was worth $4,050 to him as he sold a December/1982 contract at $3.01 per bushel and corn at harvest was bringing only $2.30, Piper said.

Helen D. Tunison, Extension home economist, stressed the emphasis on family living stating, "Family members leave and return to homes that constantly must adapt to change." She called the home "the enduring center in which the family goes through its life cycle."

The Home Economics portion of the Extension Service works with families to improve their quality of living and to encourage optimum development, she said.

Among the workshops and tours noted were: restoration, rehabilitation and remodeling of homes; progressive architecture; solar homes; home decoration, drapery making; furniture refinishing; lampshade making; restoring chair seats; and selection and construction of accessories.

Crafts workshops included: quilting, basket-making, grapevine wreaths, wheat weaving, and rug hooking and braiding.

Food and nutrition programs also were held and a Safe-Slimming behavior modification program conducted.

Especially noteworthy was a program for young parents co-sponsored with the Gettysburg YWCA and followed-up with a newsletter and correspondence courses.

The varied programs for Adams County 4-H youth were described by Tyson, who noted the emphasis placed on communication skills through use of the demonstration talk.

Thirty-two 4-H'ers presentated demonstrations at County Demonstration Night, he said, while two of those scored in the top 10 percent in state competition and received state medals.

The communication skills learned through demonstration talks are utilized by 4-H members throughout their lives, he said, quoting parents and leaders who commented on the confidence and self-assurance their youngsters gained through the program.

Also highlighted was the interstate 4-H exchange with Tennessee. "The exchangees developed positive personal attitudes about self and others as they spent six days with a host family they'd never met before," he said.

Other 4-H educational programs included: project teen leadership skills; comparison judging skills; citizenship development; safe tractor and machine operating skills; International 4-H Youth Exchange; embryology for elementary school students; adult leader recruitment and recognition; 4-H Fair; leadership development through camping and clowning experiences; and private sector financial support of the program.

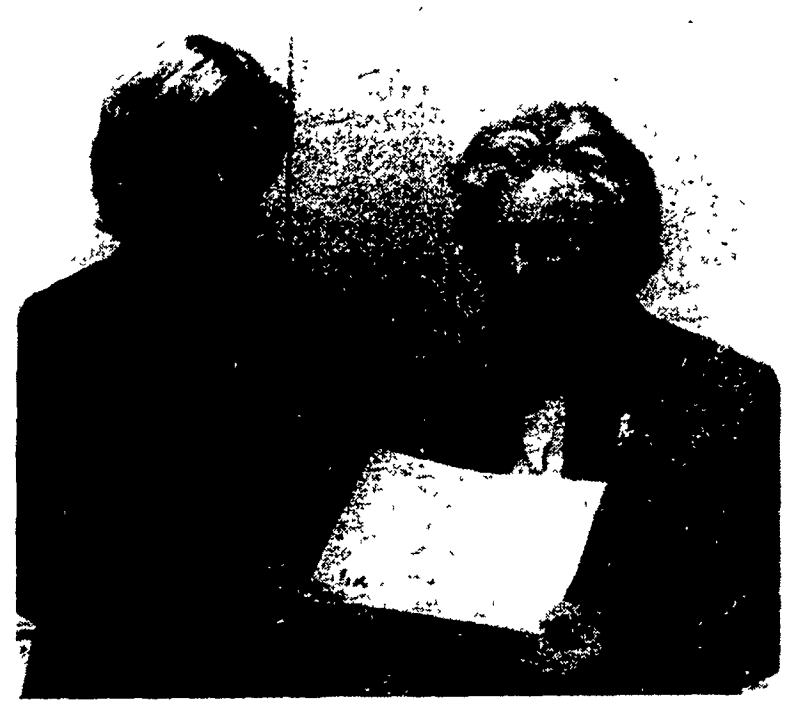
Community development also was a topic for the Extension service in 1982 and focused on the preservation of land for agriculture and the conservation of soil and water. Meetings were held for farmers and local government officials concerning agricultural districting.

Mary Grim reported on the local involvement in Extension programming; and remarks were made by Roland Herring, president of the PA Council of Cooperative Extension Associations, and Marion Deppen, assistant director for the Capital Region of the Extension Administration.

Awards were presented to: Helen and Glen Slaybaugh for their nine years' service on the executive committee; Mr. and Mrs. Clair Fetters and Mr. and Mrs. Randy Smith, hosts for foreign youths in the International 4-H Youth Exchange; and Jennifer Hartman, Gettysburg YWCA Program Director and coordinator of the program for young parents.

The Rev. Paul W. Unruh, director of the Family Counseling Service in Greencastle, was the featured speaker of the evening and talked about the future of the family in the 1980s, noting the necessity of acceptance, commitment and communication, based on a fulcrum of love.

New Executive Committee members elected to three-year terms at the annual meeting were: Rhoda C. Conover, Gettysburg; Mary C. Grim, East Berlin; Ed Hildebrand, Biglerville; David Kehr, Littlestown; Helen D. Rex, Biglerville; and Mark Wilson, Biglerville.



Jennifer Hartman, Gettysburg YWCA program director, left, receives a certificate for service from Helen Tunison, Adams County Extension home economist at the Adams County Extension's 67th Annual Meeting, held in McSherrystown last week. Hartman coordinated a program for young parents, co-sponsored by the Extension service last fall.

For their "real life demonstration of family life on a farm," John and Margaret Lott of Hunterstown Road, Gettysburg, received Adams County's Extension Leadership Recognition Award for 1982, presented by Donald Trostel, master of ceremonies at the 67th Annual Meeting of the Adams County Cooperative Extension Service last week.

Who's living in your house?

UNIVERSITY PARK — Now that winter's well under way, you may find that you have some uninvited guests.

"Homes near wooded areas are especially attractive to nuisance wildlife looking for a cozy home," says Robert G. Wingard, Extension wildlife specialist at Penn State. While most of these squatters are relatively harmless, some will gnaw wood, leave a mess of nuts and seeds, leave odors, and make bothersome noises. In short, whenever possible wildlife should life in the wild, not in your home.

If you hear strange noises in your walls, attics, or under the eaves of your roof, it's time to do a little investigative work. Your first job is to identify your guest. In Pennsylvania, the most likely candidates are squirrels. To get rid of squirrels you should use traps, not toxic baits. That means you either have to coax them out and then close the door, or trap them and remove them to a more appropriate habitat.

If your guest is up and about during the night, running around while you are trying to sleep, it's nocturnal. Those that keep reasonable, daytime hours are diurnal. Knowing your guest's habits will help you choose the most appropriate method of control. Here are some basics on squirrels;

— Squirrels come in several varieties. Those active in the day are apt to be gray squirrels or red squirrels. You can tell the difference between where they nest and may not even go outside every day. Gray squirrels, common visitors to homes in wooded areas, usually go outside each day to find individual nuts they've buried.

— Flying squirrels are nocturnal. They not only create a racket as you are trying to sleep, but are so comfortable with their cache of food, that they often stay inside to eat and frolic the night away.

— To rid your house of squirrels, use commercial wire traps baited with corn, nut meats, peanut butter, sunflower seeds, or rolled oats. You may have to try several locations to find the best place for your traps. Release squirrels several miles away — preferably in a well-wooded area. Once you've gotten them out, check your house for entry holes and use heavy-gauge wire or sheet metal to seal openings.

Lotts exemplify 4-H "family"

MCSHERRYSTOWN — With an emphasis on family it seemed fitting that John K. and Margaret Lott of Hunterstown Road, Gettysburg, received Adams County's Extension Leadership Recognition Award for 1982 at the 67th Annual Meeting of the Adams County Cooperative Extension Service held here last week.

The couple was cited for their devotion to family, church and community service, and a family biography prepared by County Extension Director Thomas E. Piper was read by County 4-H Agent Jared K. Tyson.

It was noted that the two met at the Gettysburg Presbyterian Church and were married in 1938. The former Margaret Benson of Guernsey, she is the daughter of O.H. Benson who originated the 4-H clover emblem and applied it to 4-H club work.

During the early 1960s, the couple was interviewed by the U.S. Information Agency for the Voice of America Broadcast "Profile of Americans."

"It was the idea of the family unit" that the agency wanted to communicate to foreign nations, John Lott said in an interview following the program. "We even got letters from some of the people who heard it and wanted to come live on the farm with us."

The Lotts have four children and six grandchildren, all of whom were 4-H members and were guided by their parents, who served a total of 22 years as volunteer leaders in the 4-H Beef Club and cooking and sewing projects.

Both were active in the church, while John, a full-time farmer, was active in the Boy Scouts and served as a township auditor for 30 years. Margaret, a home economics teacher, served 10 years on the Extension Homemakers Advisory Committee and currently serves on the board of directors for the Gilliland Home.

The Lott farm consists of 165 acres, now 100 percent in grass to provide for a beef cow/calf operation of 32 brood cows. Through the years John maintained a 25-acre orchard; he produced sheep, hogs and some poultry, in addition to beef cattle, and was a member of both Knouse Foods and Mountain Orchard Cooperatives.

"John and Margaret Lott have given us a real-life demonstration of family life on the farm....We thank them for presenting us this legacy and would recommend it as a course for other to follow," Tyson concluded as he presented a plaque honoring the two.

Ladies Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

Sew To Save

There are many rewards to be found in home sewing and even with a very busy lifestyle a person can choose to set aside time for this creative activity.

A wide variety of products are available to make sewing easier and more inspirational than ever, including patterns for top designer styles, new and traditional fabrics of easy-care fibers, and sewing machines and notions that help the sewer achieve quick, professional looking results.

Sewing can be a real money saver; however, you must also consider how much time will be spent on the project. Today's patterns feature quick sewing methods that give desirable results for a short expenditure of time.

Also, compare the time you will spend shopping for patterns, fabric and notions versus the time you will spend shopping ready-to-wear-looking for the perfect garment.

The cost of clothing, just as everything else, has been increasing. However, according to Consumer Price Index figures for the past five years, the average annual increase for all consumer items was about 10 percent while the increase for clothing for the same period has been under 5 percent.

A "Can Do" Vegetable

There is almost nothing you can't do with the versatile carrot!

Serve carrots raw or cooked. String, shred, curl, slice, or dice them. Serve them buttered, glazed, pickled, or creamed. put them in soups, salads, pot pies or even cakes. Let the teething baby exercise his gums on a cool corrot. And keep carrots on hand for snackers.

Fresh carrots are a very good source of Vitamin A. Although a small volume of bunched carrots, with tops attached, can be found in some cities, you will usually find carrots topped and sold in packages. Packaged carrots are often labeled U.S. No. 1. The U.S. Department of Agriculture grade means good quality.

U.S. No. 1 carrots are firm and fairly well formed, and few carrots in the package have defects. Their color is orange to orange red, not pale orange or yellow. Most of the carrots in the package must be at least 5 inches long and between ¾ and ½ inches in diameter, unless the package is marked otherwise.

If the grade is not shown, look for well formed, smooth, orange to orange-red carrots. Carrots should be firm. Don't buy flabby or shriveled carrots, or those with large green areas at the top. Also avoid topped carrots that have new top growth or bunched carrots when the tops are yellow.

Carrots can be stored in the hydrator (vegetable bin) of your refrigerator for 3 to 4 weeks. For cooking or shredding, buy the large carrots. Smaller, younger carrots are good for eating raw.

F.W.S. Calendar

Saturday, Feb. 5
Lancaster Society 6 meets at the home of Mrs. Bernard Thome for reports of the state convention

Act now and you may be next $10,000 chicken cook

LANCASTER — Do you look at the winning recipes from the National Chicken Cooking Contest each year and think to yourself, "I wish I had entered. I bet I could have won?"

Well you can't win if you don't enter your favorite chicken recipe. And now's the time to do just that, according to the National Broiler Council, sponsor fo the cooking competition which dates back to 1949.

The 1983 National Cook-Off will be held Aug. 3 in Birmingham, Alabama. A finalist from each state and the District of Columbia will be chosen to compete for a total of $20,000 in prizes.

It's easy to enter. Just write your name, address and telephone number on the front page of your best chicken recipe and mail it before the April 1 deadline to: Chicken Contest, Box 28158, Central Station, Washington, DC 20005.

Chicken is the only required ingredient — the whole bird or any part or parts. Recipes should be written for 4 to 8 servings, and each recipe must be on a separate sheet of paper. Each of the 51 finalists will receive an expense-paid trip to Birmingham where a panel of national food experts will select the five winners.

The first prize is $10,000. Four runners-up will share another $10,000 in prizes, ranging from $4,000 second to $1,000 fifth. Judging is based on taste, appearance, appeal and simplicity.

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Farm Show steer buyer donates "J.D." to York youths

BY JOYCE BUPP
Staff Correspondent

YORK — "J.D.", that record-priced 1983 grand champion Farm Show junior steer, continues to make state agricultural history.

York insurance executive Arthur Glatfelter, who purchased the 1,255-pound Angus-Chianina crossbred for a record $12 per pound, has donated "J.D." back to the 4-H and FFA youth of York County.

In ceremonies last Friday on a downtown York sidewalk, in front of the Chamber of Commerce offices, Glatfelter officially turned the $15,060 steer back to the interim care of 4-H exhibitor Annette Walter of Airville.

Youth of the county's 4-H and FFA groups will be selling raffle tickets for ten prizes of beef from the winning steer. Five top prizes are packages of steaks, roasts and hamburger, ranging from 50 to 150 pounds. Sixth through tenth place winners earn steak dinners for two at the noted Accomac Inn, overlooking the Susquehanna River north of Wrightsville.

"J.D.'s" final public appearance is scheduled for Feb. 26 at Glatfelter's Insurance firm's office at Leader Heights, when the drawings will be held.

During a press conference that followed the steer's visit to downtown York, Glatfelter released a statement in response to the dozens of inquiries he's gotten on his reasons for purchasing the champion steer.

"In view of the fact that the only natural resource we have left in this country, that is really marketable, is our farm products, we must all do everything we can to preserve our farming operations and help them grow and prosper. If farmers do not prosper, there is no chance for the rest of us prospering," said Glatfelter in his press release.

The insurance executive added that he did grow up in Loganville, with close ties to the surrounding farms, and has always fostered a great love for animals. He and his wife, Lee, presently raise prize Paso Fino horses on their farm near Craley in southeastern York County.

(The Glatfelter's Paso Fino breeding operations will be featured in a future issue of Lancaster Farming.);

Glatfelter chuckled that he "got carried away with the bidding — but I'm glad I did," and only decided to purchase the steer while on his way to the Farm Show auction. County Extension agent Tony Dobrosky had contacted Glatfelter prior to the sale to share with him the news that York youngsters had taken five of the nine steer championships, and invited him to attend the Friday auction finale.

Lee Glatfelter, who often hosts 4-H groups on visits to the horse breeding operation, says that she told her husband, "Had I not been married to you so many years I wouldn't believe it."

As it was, the bidding momentum was spirited from the start and Glatfelter never even got in an not until the price had passed the $8-per-pound level. After pausing at $10, and then again at $11, he made the final bid to win "J.D." over contender Konhaus of Cumberland County.

In a downtown York press conference, champion steer purchaser Arthur Glatfelter turned the $15,060 steer back to the county's youth for additional fund raising purposes. Glatfelter and wife, Lee, take a last look at their champion purchase before turning him back to the care of exhibitor Annette Walter.

After pondering over that weekend what he would do with a $15,000 steer, Glatfelter contacted Dobrosky to offer the champion back to the county youth.

Proceeds from the raffle will benefit local chapters of the 4-H and FFA, as well as their county level groups. Local clubs and chapters will retain 80 cents of every one dollar ticket sold by their members, with the remaining 20 cents earmarked to the county level.

Annette Walker, "J.D.'s" former owner, is active in both the 4-H and the Red Lion chapter of the FFA. It had been her last chance at showing in the 4-H competition at the Farm Show, where her previous highest placing had been a second.

Although admittedly nervous before the show, both Annette and "J.D." held up well through the grueling competition and auction.

Now the senior 4-H exhibitor faces the most difficult part of all: trying not to become even more emotionally attached to the steer that remains in her care for an additional month.

The champion is a 5/8 Angus x 3/8 Chianina crossbred, calved in May 1981, and bred by the Swecker Brothers of West Virginia. Annette purchased the calf when it weighed about 350 pounds. The name "J.R." after the television-tycoon on the show Dallas, was suggested to Annette as a label for her calf, since at that time several other steers by that name had taken championships. Inclined to be more original, Annette instead opted for an initial change and came up with the now famous title of "J.D."

In the weeks prior to Farm Show competition, Annette and her sister Brenda, who helped with fitting the winner for his downtown York appearance, made certain he got a long walk every day to strengthen and firm his leg muscles.

Those walks, says Annette, will continue every day for "the champ."

Taking the Farm Show championship was the frosting on the cake of a series of beef show victories capped over the past few months by the Donald Walter family and their R2 Airville beef operation. They topped the 1982 Pennsylvania Simmental steer sale and the Berks County steer sale, as well as reserve placing and top per-pound money at the Keystone steer sale.

"J.D.'s" total selling price of $15,060 is believed to be a new overall sale record for the country. While the top price at the internationally-known American Royal Livestock sale at Kansas City went to $12.35 per pound, the steer commanding that bid was lighter, and the total price a lesser one.

"It'll be a tough act to follow," is the general consensus of all the principals involved in the history-making saga of a champion steer named "J.D."

Pennsylvania Angus Queen Chris Shive presented Art Glatfelter with a "thank you" breed tie tack during ceremonies held to present the steer to the 4-H and FFA youth of York County.

Back together again: Annette Walter and "J.D." will share still another month. With the grand champion rosettes comes a battery of mixed emotions for this senior 4-H'er.

York shepherds crown first queen

BY JOYCE BUPP
Staff Correspondent

DALLASTOWN — Her arms full of rosebuds fashioned from red-dyed wool, Laurie Rodgers flashed a winning smile for York County's sheep and wool producers after winning her crown as the shepherds' first queen.

Sixteen-year-old Laurie is the daughter of Mr. and Mrs. Donald Rodgers, R4, York. A junior at Northeastern High School, she's a cheerleader and member of the hockey and track teams and the ski club.

Runner-up in the sheep and wool queen competition were Holly Crisamore, daughter of Mr. and Mrs. Allan Crisamore, R1, Dover; Linda Waltersdorff, daughter of Mr. and Mrs. Robert Waltersdorff, Hollywood Drive, York; and Julie Stremmel, daughter of Dr. and Mrs. Robert Stremmel, R2, Seven Valleys.

Crowning of the queen highlighted the county's sheep producers' annual roast lamb dinner and meeting, held last Saturday evening at Blymire's Church, Dallastown.

The evening program featured a slide program on sheep production on a Montana ranch, presented by Dr. Clair Engle.

Dr. Engle, extension sheep specialist at Penn State was born and raised on a Montana sheep ranch, located on the Boulder River, 20 miles from Yellowstone Park. His slide program depicted the events that take place year-round with a large wool-production flock.

The Engle grazing lands covered the 10,000 deeded acres to the ranch, plus large segments of mountain wilderness government land grazed by federal permit. Rainfall may average only 16 inches a year on much of the ground, and 40 acres are the norm for supporting six head of sheep.

The flock of commercially crossed white-faced ewes spent their fall and winters in the mountain valley on the ranch's deeded land. In March, the ewes were brought in off the high ground for pre-lambing shearing, and rations of extra feed just prior to lambing. Young ewes were bred earlier than their older sisters in the flock, so that more attention could be given them at their first lambing.

During the peak of spring lambing season for the several thousand ewes, two shifts of extra men tended the flock to mark newborns and make certain they nursed. After a few days together in small pens to assure that the ewe and lamb were "mated," they were turned out with groups of other ewes and lambs.

Ewes with twins were maintained in a separate grouping and

(Turn to Page B20)

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JOHN DEERE

York

(Continued from Page B18)

given extra rations to assure that the lambs received adequate milk. Dr. Engle stressed the importance of assuring adequate milk supplies to twins by providing extra ration to those lactating ewes.

By mid-May, groupings of a few hundred filled the pastures surrounding the ranch. Lambs were old enough to be docked, castrated and vaccinated, but still maintained in groupings of ewes and lambs, with twinned-families kept to their own group.

Quick grazing of the spring pastures by the flocks, with the sheep picking out selective forages, such as dandelion, allowed follow-up grazing by the Engles' herd of beef cattle.

At the end of June, came the time to "go to the mountains," an area covering some 300,000 acres of snow-capped Rocky Mountain high country. Federal grazing rangers counted the flocks of about 1500 ewes plus their lambs, and checked the health of the sheep.

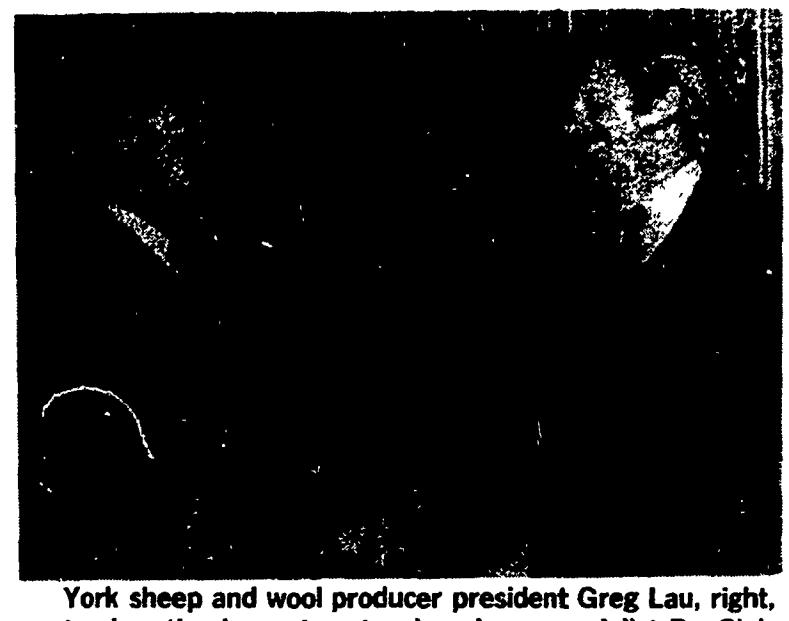
In charge of the flock as they took to the summer pastures were the most important sheep herder and a camp tender, who provided meals and assistance during the summer months on the mountain. Also invaluable to the safety and direction of a summering flock are well-trained herding dogs and several pack horses which carry the vital shelter, food and medical supplies, and salt for the flock.

The trip to the grazing area was one of some twenty miles in length, from the ranch altitude of 6,000 feet to the uppermost summer pastures at 10,000 feet.

Early July brings the first hay cutting on the flat fields at the ranch, which are irrigated from the Boulder River. Giant stacks of bales, many layers high and hundreds of yards long, dotted the fields by summer's end, readied for the flock's return as snow began to dust the upper mountain tops.

Freezing temperatures set in early in September, signalling the time for the flock to begin the treck back to the pastures in the river valley. As they left the government's grazing permit areas, rangers again counted and checked the health of the returning flock.

The availability of such grazing areas began to diminish after the Engles had been in the sheep business nearly three decades. In the late 1960's, the family phased out of the sheep ranching business and turned their full attention to beef production on the Montana ranch.



York sheep and wool producer president Greg Lau, right, extends a thank you to extension sheep specialist Dr. Clair Engle for his slide presentation on Western sheep ranching.

Laurie Rodgers, left, will reign as queen of the York County sheep and wool producers. Members of her court, are, from left, Holly Crisamore, Linda Waltersdorff and Julie Stremmel.

Penn State looking for farmers to train students

UNIVERSITY PARK — Penn State is looking for farmers to "adopt" an Ag Hill student for the summer. This marks the third year for this work-experience program which places students who lack farm backgrounds and experience on farms throughout the state.

According to Associate Professor of Animal Science Grant W. Sherritt, "Each year the number of farms that we have listed has increased and the number of students looking for farm experience has increased.

"Last year about 40 students gained experience. Many other students attempted to locate farms but were unsuccessful for various reasons," he explained, adding that the University had a list of 60 interested farms last year.

Sherritt noted that roughly 70 percent of Penn State's ag students are from nonfarm backgrounds.

Explaining how the program works, Sherritt pointed out that students choose which of the interested farms to contact based on location, type of farm, etc. Work arrangements, such as salary, meals, room, etc., are then negotiated between the student and the farmer.

Sherritt pointed out that Penn State would like to see more farmers work with the University in this special hands-on experience program. "Most students have been enthusiastic about their experience and many farm families have responded very favorably about the young people," he said.

For more information on the program, contact Sherritt by writing 324 Animal Industries Building, University Park, PA 16802; or telephoning 814/863-3661.

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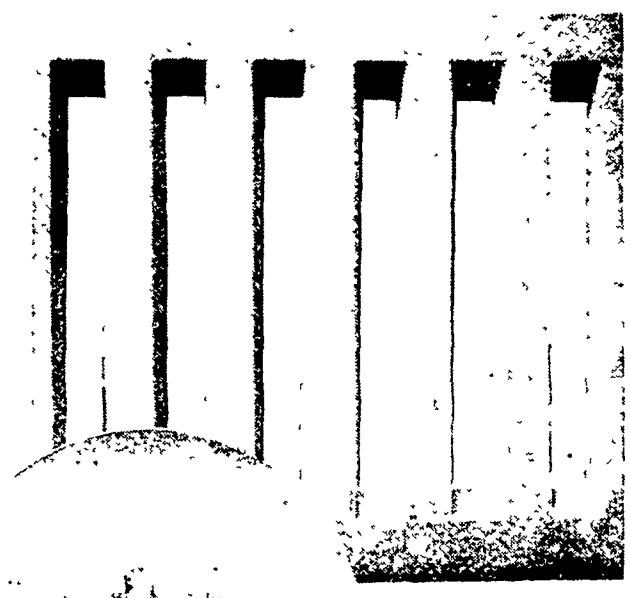

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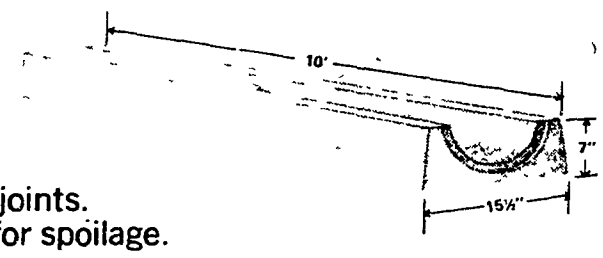
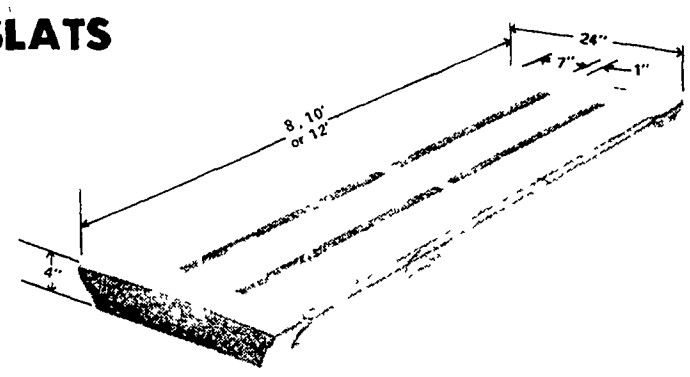
Inserts for pouring - available for sale or rent.

GESTATION TROUGH

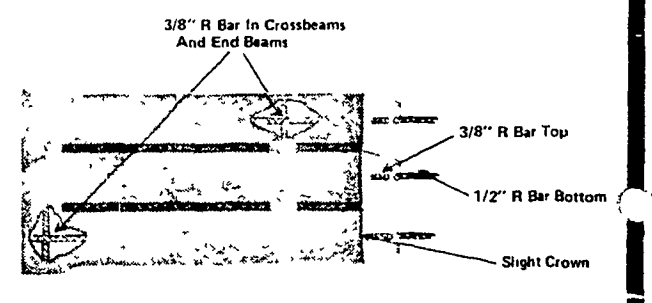


Features:
- Easy Cleaning.
- Easy Installation.
- 10 foot length means less joints.
- No corners to retain feed for spoilage.

HOG SLATS



Features:
- Easy Cleaning.
- Center Beam.
- Slight Crown.
- Uniform Spacing.
- Easy Installation.
- Slats Stay Drier.
- Smooth, Rounded Edges.
- Easy on Animals Feet.
- Low Cost - Long Life
- Prevents Movement From Side Loads.
- High Strength Reinforced construction.



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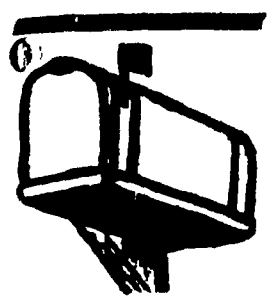
FARMER BOY AG. INC.
410 E LINCOLN AVE MYERSTOWN, PA 17067 · PH 717-866-7565
BEST IN DESIGN, PRICE AND EXPERIENCE



FREE

Subscribers to Lancaster Farming will receive one advertisement FREE each month in our Mail Box Market. Subscribers using the Mail Box Market will be governed by the following rules

Limit your advertisement to 20 words, area code must be added to phone number and, due to repeated requests, please include your county for buyer and seller convenience, all advertisements must be mailed to the office by Tuesday or same will be held over for next week's paper; no business advertisements accepted

Include your Lancaster Farming mailing label and mail to

Mail Box Market
Lancaster Farming
P O Box 366
Lititz, PA 17543

No Phone
Calls Please

MAILBOX MARKET

Wanted - Big 4 John Deere horse drawn mower. Rufus M. Weaver, R.D. #1, Port Treverton, Pa. 17864.

For Sale - John Deere MT tractor. Excellent condition. 717-784-1779. Columbia Co.

Wanted - Flat, S.S. or alum 200-250 gal. tank for water. No working parts needed. William A. Johnson, Everett, Pa. 814-652-2319.

For Sale - 10 ton feed bin and Lee gas engine feed cart. Never used. Dauphin Co. 717-566-2749 after 4 p.m.

For Sale - Snowmobiles. 1971 Skidoo Olympic 335, elect. start. Good condition. AMF Skidadler, elect. start, wide track. Cumberland Co. 717-243-8519.

For Sale - 8' heavy industrial scraper blade, 3 point hitch. Hydraulic swivel angle. Only used a little in snow. 717-382-4288.

MAILBOX MARKET

For Sale - Fire wood, seasoned, cut and split. Over 12 cord. Alfalfa hay and wheat straw; Long tractor. Berks Co 215-944-7529, 215-779-0493.

For Sale - Black walnut and cherry boards. 90 cents a board foot. Berks Co. 215-369-1757.

For Sale - Reg. Hol. bull, sire Ace, dam Gay w/18,000m 650f; free 5 yr. old border collie. Berks Co. 215-562-4161.

For Sale - 3 Angus Holstein cross beef heifers with calves at side $650 each. Berks Co. 215-562-8415.

For Sale - Smidley 16-hole hog feeder, excellent condition. 3 North Country Cheviots. Also commercial Ewes. Lehigh Co. 215-285-6872

For Sale - 2000 lb. Fairbanks platform scale 30"x 38". $150 Old No.3 farm dinner bell $100. Lancaster Co. 717-626-5751.

Wanted - Wayne-Spring Ford Appolo semen Dayton, Va 703-867-9354.

For Sale - J.D.#5 mower Also flex-auger 36'x2½" w/fiber glass hopper & micro switch. Adams Co 717-624-8124.

Wanted - Milk sputnick Also Riteway or Ashley stove, wood & coal. Amos F. Beiler, 153 Nine Rd, Paradise, Pa. 17562.

For Sale - Model #200 V6 Cumming diesel,200 h.p power unit. Leon Stauffer, RD1, Mt. Pleasant Mills, Pa. 17853

MAILBOX MARKET

For Sale - Buffalo Silent 200 Blacksmith blower, Champion 400 blower, 1-6" post vise, 1 hand-operated drill press. 717-987-3182 Fulton Co.

Wanted - 4 row potato planter in good condition Schuylkill Co. 717-889-5963 after 6 p.m

For Sale - 1975 Blazer, 4x4 1/0 hubs, 4 speed 350, ps, pb, am,fm. $3000 or trade on the 4x4 pickup. Perry Co. 717-589-3037.

For Sale - J.D. #999 corn planter w/fertilizer attachments N.I. #7 manure spreader. Gideon Stoltzfus, RD 1, Blain, Pa. 17006. Perry Co.

For Sale - 500 gal. Esco ice bank tank. Surge vacuum transfer station. 4-H registered heifer fresh Jan. Perry Co. 717-789-3170.

For Sale - Gaited buckskin gelding, 13.3 hands, $400. Perry Co. 717-567-9773.

For Sale - 3000 gal. Husky liquid manure spreader with injectors Good condition. $3500.00 Leb. Co. 717-949-6823

For Sale - 1972 1600 Int. 345 ci eng., 4 spd., CTC C to A, 8', good shape. $2000 00. 301-374-2577.

For Sale - Barn cleaner chain - 230 ft Lancaster Co 717-665-7709.

For Sale - Farmall H w/plow, loader & culti, Ha Co. Md. 301-838-7271 Call before 8 a.m. or after 8 p.m.

MAILBOX MARKET

For Sale - Cattle sides for pickup 40" high with two end gates Excell cond $160 Lanc Co. 717-768-8529.

For Sale - Oats straw, $50 ton at barn. Berks Co. 215-488-7060

For Sale - Milking Guernsey family cow tested & accredited. NH770 or S717 harvesters, 770W grass head. Adams Co 717-359-4383.

For Sale - Oliver Crawler dozer, 7 ft. hydraulic blade, gas engine, excellent undercarriage, $2500.00. Adams Co 717-624-4648.

For Sale - Snow crown hybrid cauliflower plants by the 100 or 1000. Order now. 717-859-2712 Lancaster Co

For Sale - 35 qt. of shelled hickory nuts. Berks Co 717-933-4552.

For Sale - Ford 9 N good rubber high & low range Takes paint & minor repair. $1250 00 Berks Co. 19507. 717-933-4397.

For Sale Int. 5100 soybean special grain drill, w/adj. depth-press wheels. Sewed less then 50 acres. Lebanon Co 717-865-4395

For Sale - 1980 moto-ski mirage, 350 miles, two year left-over, like new $1150.00 1973 MF 440T, new track. Lebanon Co 717-273-3823.

For Sale - Select clover seed. $60 per bushel. James H Reiff, #4, Sheaffer School Rd, Ephrata, Pa, Lancaster Co.

For Sale - Snow blade for Farmall cub $175. One point hitch, one bottom plow for cub $300 Franklin Co, 717-597-8486

For Sale - 801 Ford w/loader and new tires. Farmall Super C w/cultivator, both nice Lanc. Co. 717/284-2040.

For Sale - Warm Morning wood stove model 701A, 3 speed fan, excel. cond. $380. Lanc Co. 717/464-4071.

Wanted - Barbado's sheep. Write to: Bencroft, R1, Box 97, Boonsboro, Md. 21713.

For Sale - 1974 Gooseneck Stock trailer. Good cond Cecil Co. 301/398-1685 after 8 p.m.

Wanted - ½ bu. Jersey White sweet potatoes for growing slips. 301/264-3770 eves.

For Sale - Smucker Welding semi & liquid manure spreader. $2300. John D. Fisher, R2, Box 282, Ronks, Pa. 17572.

Notice - 52 yrs. old w/ bad back must sell his immaculate '77 Suzuki 400cc cycle. 5000 miles. $795 Chester Co. 215/869-9656.

For Sale - Chihuahua pups, 6 wks old. Ephraim Miller, Christiana, 1 mile west of Christiana on Rt. 372

For Sale - IH McCormick Deering corn planter, 2 pt, 2 row, $100 1978 Yahmaha $750. Schuyl Co. 717/739-4636

For Sale - 2 row corn stalk chopper in good cond PTO driven $100 Lycoming Co 717/398-1459

For Sale - Siding, hot water furnace w/95' baseboard. 1000 gal oil tank Oats, speltz, hay, straw Sch Co. 717/345-4015.

For Sale - 40 cow 1 story block barn, alum. roof cheap. AC 6 row no-till air planter Hunterdon Co 201/479-4807

Wanted - Cultivators to fit the following tractors, Cub Farmall, Super A, C, Super C, 100, 140 and 200 Farmalls 304/772-5578.

For Sale - N.H TR 70 combine 15' flex platform - 6 R.N. cornhead Price right Adams Co 717-642-8677.

MAILBOX MARKET

Wanted - 25 - 35 K.W 3 phase generator, operating speed 1200 rpm or less Also V-groove or flat pulley Lancaster Co 717-354-9835

For Sale - AKC Labrador Retriever puppies, chocolate. Also other litters due soon Stud service available. Cumberland Co 717-776-5973, 717-776-6505

For Sale - 5 yr. old Standardbred buggy horse, sound Ammon M. Nolt, East Earl, RD#3, Lanc Pa. 17519

For Sale - Oliver 55, belt pulley unit in excellent cond, $150. Cumb Co. 717-776-7620.

For Sale - 8'x40' Aermotor windmill, good cond., Lanc. Co. Pa. 717-354-5554 after 6 p.m.

Wanted - 1 used spindle for Farmall C thru 230 for narrow front 717-354-9639 Lanc Co

For Sale - 12' alum row boat with oars, $400. Lanc. Co 215-484-4131

For Sale - IH 400 Cyclo 6 RN no-till, many new parts, $2000 Fulton Co 717-485-4975

For Sale - 5-16 hole Smidley hog feeders, 15 water nipples and 3 10 ft. gates Berks Co 215-845-7012

Wanted - 20" dished wooden wagon wheel w/¾" metal rim and for 5/8" axle New Castle Co, Del 302-994-4156.

Wanted - 12' cultipacker in good condition, also 2 tractor tires 16 9x38 6 ply at least 80% tread. Somerset Co 814-267-4100.

For Sale - Girton case bottle washer Surge milking parlor, double 4 stalls only, cheap Elk Co 814-834-6415

For Sale - 30 gal L P. water heater, good cond., $75. Mol-Mix liquid supp feeder, $75. Daniel Glick, R1, Box 297A Bird-in-Hand.

For Sale - D4 Cat Dozer w/electric start, pony motor, 9' blade, exc. cond. 302-368-4159.

For Sale - Clover seed Wanter - 3 row N self propelled harvester. prefer w/ a diesel engine Lanc. Co 717/354-6706.

For Sale - D-2 Caterpillar w/ dozer blade, 6 ton Totem-all tag along trailer, Badger barn cleaner. Good cond. Union Co. 717/966-1561.

For Sale - A.C. Snap coupler 3 bottom plow. $75. Snyder Co 717/837-0411

For Sale - Cast iron radiators, 275 gal. oil tank, old fashioned bath tub, sink, oil burner, controls. Perry Co 717/438-3274

For Sale - Good quality mixed hay and Timothy hay. At the barn or we deliver York Co 717/432-9704.

Wanted - 2 wheel dump trailer 717/758-3340

For Sale - Simmental bull 7/8 pure, approx 600 lb, $385 Fulton Co 717/294-3631.

For Sale - Registered Polled Dorset ram 6 yrs old Twin out of Bruges stock. $60 Northumberland Co 717/286-9380

Wanted - 25 to 30 Dwarf Bunnies, 6 wks old, ready for pick-up, mid-March Delco Farmer. 215/494-1411

For Sale - Registered Guernsey heifer Fresh Jan 11, 1983 Wanted - Young Guernsey heifer calf for 4-H project. Centre Co 814/355-1647.

For Sale - Skid loader on steel $1800 Suburban hot air wood furnace $350. Wood master automatic $275 Ephrata, Pa., 215/445-6885

For Rent - Large farm house near Manheim. Some farm labor required. Christian family 717/665-6842.

MAILBOX MARKET

For Sale - MF industrial front end loader attachment, never used, slightly weathered, also Case Vac row-crop tractor Chester Co 215-827-7244

Wanted - WFE for 656 through 966 Farmall Have 750 - 165 WF for same to sell 609-697-2778

For Sale - 2" new boiler flue pipe, exc for gates or fencing, 717-872-9152 day, 872-2579 eves.

For Sale - NI 760 uni chopper w/763 3 row N corn head, good cond, $3250 DeLaval vacuum pump. York Co 717-229-2346.

For Sale - 930 Case tractor as is, 8' Brillion packer, Int. truck cab, JD combine, model 55 Lyc Co 717-435-0753.

For Sale - Grubber wagon, $600 or best offer 717-768-3052 8 month old Morgan colt, Gap, Pa

For Sale - JD 6" hammermill w/18 hp Wisconsin engine w/clutch, good cond, 717-944-3044, after 7 p m, Middletown, Pa

For Sale - I have a NH 880 windrow pickup, like new $2000 717-966-0009 ask for Harvey

For Sale - 1970 Strick 40' insulated van w/22" sliding tandems, also double S S dairy wash tubs, 717-528-4914 Aspers, Pa

Notice- Save the "Down Cow" Get her going again - use "CowBuoy" Balto Co Hickory Hill Farm, 301/239-3393, 239-7326, 374-2098

For Sale - NH 354 grinder mixer $3200 MM M670 diesel tractor in good cond, $4000 Cumberland Co 717-776-7888

Wanted 15 DorsetxRambouillet ewes, 2-3 yrs. old & Dorset or Rambouillet ram 814-344-6637 Give location & price, Cambria Co

For Sale - Oliver Super 55 tractor motor, needs work, 3 pt., good rubber, $800. Jamesway silo unloader. Sullivan Co 717-924-3847.

For Sale - Building vacation lot in Dubois, Pa Columbia Co 717/672-2392.

Wanted - Saw hammering tools Leave message for Robert, 215/845-2136

For Sale - 285 gal. gas tank $42. 12 digit printing calculator w/memory & display, $42. Lanc Co. 717/354-0182.

For Sale - V-Type & angle snow blades for on manure loaders, also heavy duty blades for large trucks 717/345-4882

Notice - Free cute, mixed puppies, also 2 dogs Jonathan Z King, Box 75 A, Drumore R 1, Pa, 17518 Lancaster Co

For Sale - Eleven hp Lombardini electric start, 1150 hrs, 5 kv generator John Martin, R D #1, Box 768, New Holland, Pa 17557

Notice - Free to good homes Puppies, part German Shepherd, colors white, black, toast York Co. 717-456-5106.

For Sale - Parts for #950 John Deere bunk feeder Best offer Hay preserve applicator. Excellent condition York Co 717-235-1790

For Sale - 2 bottom mounted plow for Farmall C, like new, N H, 404 hay crusher w/new bearings York County 717-755-5622

For Sale - Group of stanchioned, dehorned, vaccinated Holstein heifers Serviced for late July onward to Jersey Susquehanna County 717-756-2764

For Sale - ½ Cardigan Welsh Corgi puppies Born on December 17th Good herding prospects Beautifully marked. $10/each Montgomery County 215-845-7827

Marketing meeting set for Delmarva produce growers

NEWARK, Del. — To help Delmarva produce growers assess marketing opportunities for the 1983 growing season and decide what crops to plant, a meeting will be held Tuesday, Feb. 8, at the Seaford Firehall on the corner of Pine and King Streets in Seaford, Del. The meeting will start at 9 a.m. and last until about 3:30 p.m.

According to Delaware Extension crops marketing specialist Carl German, the program is designed to help commercial growers evaluate their past marketing practices and see how these can be improved this year. Emphasis will be on wholesaling.

After reviewing what happened in 1982, speakers will discuss market competition, advertising and promotion for both fresh and processing vegetables. Howard Papen of Papen Farms, Dover, will share some of his firm's experiences as a successful producer and marketer of vegetables.

During the afternoon session there will be two marketing panels - one on fresh produce and the other on processing vegetables. Both panels will be composed of industry representatives. The meeting will conclude with a talk on new opportunities in vegetable marketing.

The meeting is open to everyone regardless of race, color, sex, handicap, age or national origin. It is being sponsored by the Peninsula Horticultural Society, Delaware Vegetable Growers Association, Maryland and Delaware departments of agriculture, and the Maryland and Delaware Cooperative Extension Services.

For futher information contact Extension agents in either state.

Effective Feb. 1, 1983 Deadline For Real Estate Advertising Has Been Changed From Thursday at 9 AM to Wednesday at 5 PM of Each Week's Publication.

Lancaster Farming Subscription Service

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STATE _____ ZIP CODE _____

MAILBOX MARKET

For Sale - Case 830 diesel tractor, exc cond, new rear tires, $4000 301-883-3722

For Sale - JD semi-mounted 6 bottom plow, model 1450, exc cond., Middlesex Co 609-655-1341

Wanted - Hesston PT-10 haybine for parts. Sussex Co, NJ 201-579-1205.

For Sale - 8ft. vertical shaft feed easy manure pump, new. Brower hog catch crate. 717-665-2962

Wanted - Allis Chalmers B for parts, also 5' Woods mower in good condition. Chester Co. 215-932-8633.

For Sale - Mixed hay, straw and oats. Adams Co 717-259-0048.

For Sale - Dynavent bedding chopper w/5 h.p. Honda motor, Oliver 77 tractor. Benuel S. King, Mine Road, Paradise, R.D.1, 17562.

For Sale - 1976 GMC pickup, at, ps, a/c. Nice condition. Large antique jelly cupboard. Old wooden shutters. York County. 717-382-4629.

For Sale - D6006 Deutz tractor. Fully equipped, independent pto shaft and remote. Good rubber 717-354-9855.

Wanted - Good silo pipe and distributor, also silo ladder Lancaster Co 215-445-5734.

Wanted - 32" rims and tires for M.F. tractor or just set of 32" tires Between 6-8 a.m. or p.m., 717-445-5697.

For Sale - Myers deep well jet pump with about 60' plastic pipe. Christ S. King, 2839 Church Rd., Bird-in-Hand, Pa.

For Sale - 2 cyl. baler engine (rebuilt) like new $375, cast-iron Briggs. Samuel S Stoltzfus, 2447 Stumptown Rd, Bird-in-Hand, Pa.

For Sale - Few springing and fresh holstein heifers, quality potatoes, eggs. Amos M. Stoltzfus, 2457 Stumptown Rd, Bird-in-Hand, Pa 17505

For Sale - 1.41 acres building lot. No restrictions. Perked 267 ft. hard road frontage Lancaster Co Providence Twp. $11,000 717-786-3269.

For Sale - McCormick #9, 7' mower, new Sam S. Stoltzfus, Box 7, Route 2, 3184A West Mill Lane, Gordonville, Pa. 17529

For Sale - 3-I beams 2'x37'x4" IHC power unit engine will fit cub tractor, Goul electic pump York Co 717-292-1111

For Sale - Complete fast hitch for Super C or F-200 Has been disassembled, reconditioned and painted Morgantown, W Va. $300, 304-599-4027.

Wanted - Brillion 18 ft wing-fold transport harrow 703-483-0465

For Sale - Virginia farm, 300 acres, stock & grain, near I-95 Francis E MacCauley, Rt. 1 Box 232, Bumpass, Va 23024

For Sale - Two steer calves, about 300 lbs each ½ Angus and one ½ Charolais, $200/each Mont Co 215-323-5166.

Wanted - Side load milk cooler, 215-857-3463 Chester Co

For Sale - Tennessee Walking horse - gelding - 15.1 light bay, spirited, $950 301-398-0923, Elkton, Md

Wanted - Ford tractor - gas model series 660, 661, 860, or 861 - 5 spd. trans. Lehigh Co. 215-799-2536 after 5 p.m.

For Sale - snow chains 12x28, like new, $65 Dual truck chains for 750-20, like new, $30 717-386-5678 Carbon Co

For Sale - IHC 1066 cab, new, 24 5-32 rear's, low hrs, JD 14' 110 disk, IHC 5500 grain drill, 609-767-3485 Camden

MAILBOX MARKET

Wanted - Straw, must deliver. Call Nadine Steinmetz, PA Farm Museum, Lanc. Co. 717-569-0401

For Sale - GMC 3/4 ton truck, 4 wheel drive, 302-994-2996, . New Castle Co., before 8 30 a.m. or after 7 p.m.

Wanted - Baler, NH 67 or 68 prefer, running cond, will consider others. Call Cumb. Co. 609-825-5051.

For Sale - black horse harness, like new, $175. Cumb. Co., NJ 609-455-2458

For Sale - 1975 Double D two horse trailer, exc. cond., $1200. 609-567-3373, Camden Co.

For Rent - 2 br. home in Perry Co., Markelsville, w/acreage @ $175/mo plus all utilities, Cumb. Co. 717-761-7433.

For Sale - IH 400 air corn planter, used 5 years, very good cond., $2500. Case 430 tractor. 717-369-2254 Franklin Co.

For Sale - 3500 watt portable alternator $400. Pony sulky $75. Antique floor radio, restored, $50. Berks Co. 215-777-1594.

For Sale - Old western MD stockyard to remove, 193 F-12 Farmall, 193- Sears Ecom. tractor w/a Ford motor. Westminster, MD 301-848-5212

For Sale - Feeder pigs, Hampshire ram, weathered barn siding - chesnut and oak. Will trade for hay. Har Co. 301-692-5905 eve.

For Sale - Barn boards & beams, 2 story barn, 717-698-6209 Wayne Co

For Sale - 84 acres woodland in Perry Co. touching on hard road. Owner financing or cash. Perry Co. 717-789-3943.

For Sale - 1976 GMC 3/4 ton, like new cond., 32,000 mi., good rubber.. Franklin Co. 717-597-2895.

For Sale - 1968 Scorpion snowmobile, exc mech. cond., Lehigh Co., $275. 215-965-6525.

For Sale - JD trail plows 3x14, cast iron points, inside kept, many new points, moldboards included 717-734-3625 eves, Juniata Co.

For Sale - Shropshire ram and ewe lambs from exc bloodlines 717-949-3653 Leb Co.

For Sale - For Dynamark tractor, 42" snowblade $125. 36" snow thrower attachment $450. 717-486-7819 after 5 p.m Cumb Co

Notice- Rent - Poconos, Bushkill, cedar home, sleeps six, ski included. John Bohm, 6 Waverly Rd., Cherry Hill, NJ 08003.

Wanted - Lime spreader w/double spinners that will spread wet line. Central NY State, 315-677-9547 evenings

For Sale - Chisel 3 pt 9T, 16' transport harrow, 11' cultipacker all in good shape, 301-996-2924 Harford Co, Md

For Sale - 1970 Ford L/N 900 truck tractor, 477 gas 5 spd., 2 spd., rear 10-20 Cambria Co. 814-472-9498

Wanted - Wide front end for JD 60 tractor. 201-832-2534 Hunterdon Co, NJ

For Sale - Used kitchen ranges stoves, room heaters, both kinds, William S Martin, R1 Box 387, New Holland, Pa 17557

For Sale - MH 22, 3 pt. hitch, hyd w/cult $500 William Reed Jr, R1, Box 28A, Andreas, Ca 18211

For Sale - 1967 stake truck, 16,000 GVW, $1495, 300 gal skid-mounted sprayer, w/boom, pump etc $800. 717-548-3117 Lanc. Co

For Sale - Ford 14" 2 bottom trip plows and MH 8' disc, 3 pt hitch Make offer, 717-584-3132 Lycoming Co

MAILBOX MARKET

For Sale - Package bees & 5-frame nucs avail. mid April. Very reasonable prices. Dauphin Co. 717/896-8637 eves

For Sale - 460 Ford motor low mileage $175. Snowmobile snow jet 433 $300. Lanc Co. 215-445-5841 after 4 p.m.

For Sale - 65 HP gas tractor. 7' x 14' dump wagon 9' spring tooth harrow. 8 yr old gelding. Berks Co. 215/683-5269.

For Sale - 8N Ford tractor. recently overhauled, w/Wagner loader, bucket & fork. A-1 shape. Chester Co. 215/932-9285.

For Sale - Continental engine complete factory rebuilt model F-244. Col. Co. 717/752-7191 after 6 p.m.

Wanted - Combine, grain head & chopper for a 701 unisystem tractor. Cash or trade. Centre Co. 814/364-9926 after 6 p.m

Notice - JD 2 row corn planter 3 pt w/fertilizer, ins. Hoppers to be sold at New Holland Feb. 5 sale.

For Sale - Reg. Dorset ram, polled. Huntingdon Co. 814/448-2392

For Sale - JD 70 gas rebuilt row-crop, live PTO ex rubber, asking $1850 301/252-0627

Wanted - Martin V-type or Scavenger spreader.For Sale - Badger trailer lagoon pump (new) used only twice. Washington Co 301/582-2277

For Sale - Papac hammermill w/screens. Ready for you to grind your own feed; high quality freezer beef. Carroll Co. 301/374-1049.

For Sale - International 56 four row corn planter. Mint cond. Lanc. Co. 717/687-7926.

Wanted - Flat filler, mixer & other hot house equip. Burlington Co. 609/983-3725.

Wanted - 10' x 6½' or 7' overhead garage door in good cond. For Sale - 60 HP Wisconsin engine w/starter. Lanc. Co. 717/656-2846.

Wanted - 1 row potatoe digger, 1 or 2 row potatoe planter. Jacob Stoltzfus, R2, Box 113A, Peach Bottom, Pa. 17563

Wanted - Old manuel type gas pumps w/big glass cylinder at the top. J.B K Box 79, Lower Mill Rd., Elmer, NJ, 08318

Wanted - 4 cyl. engine for 1926-1929 model A B Pup Mack, any cond. O.K Call collect 617/632-0089.

For Sale - JD 115 forage wagon, NI manure loader plus 80" snow bucket, A C. 782 forage harvester Carroll Co. 301/848-8848

For Sale - Snowmobile 1976 Ski Doo model, 300 Olympic $350. Wanted - 2 row corn planter 717/529-6715

For Sale - 4 coming 5 yr old Saddlebred driving horse w/papers. John B Stoltzfus, R1, Box 267, Kirkwood, Pa 17536

Wanted - Used block #367825R2 or engine for Farmall 240. Adams Co 717/624-8563.

For Sale - 80' Lanc. silo belt feeder. $500 301/452-5527 after 6 p.m. Hartford Co

For Sale - Clean 8N Ford tractor $1595 N.I 12A manure spreader $395. N H 450 3 pt mower $695 717/354-0266.

Wanted - New quilt, prefer blue or cranberry tones, call or write w/pattern, price 201/537-2424. Burrell, R1, Glen Gardner, NJ 08826.

Wanted - WFE for Farmall H, old style preferred 215/943-4573 after 7 p.m

For Sale - 5 ton 7' x 9' contractors dump bed w/hoist & pump, $375, Reading mechanics body $250 Lanc Co 717/733-1602

MAILBOX MARKET

For Sale - Large, reg. Holstein heifer, sire, Wayne due Feb. 1. Lebanon Co 717/865-6836

For Sale - Corn silage approx. 600 tons in concrete silo w/unloader. Cumberland Co. 717/865-4329 weekdays.

For Sale - 8' Case transport disc. Good cond. $500. Gehl 72 flail chopper. Good cond. Lebanon Co. 717/865 6836.

For Sale - Ford 8N tractor, plow, mower, disc & other $3350. Dauphin Co. 717/469-7213, Fri., Sat., or Sun. after 4 p.m.

For Sale - 2 Holstein grade cows, springers. Cumb. Co. 717/243-8328.

For Sale - 600 Ford tractor, good cond. Franklin Co. 717/532-4918

For Sale - 90 bu. Supreme T.M.R. mixer w/scales; 180 bu. gravity bin J & M w/8T elec. gear. Berks Co. 215/286-5237.

Wanted - 15' or 16' flatbed for truck, preferably dump w/cyl. Montour Co. 717-437-3022 after 5 p.m.

Wanted - Old cast-iron, one cyl., gasoline engines & old tractors. Clinton Co. 717-745-3164.

Wanted - To buy. Oats from Bethlehem or Easton area of Northampton Co. Will pick up. 215/691-3505.

For Sale - Farmall C motor block $150. Farmall C head $100. Int. 4 x 14 3 pt. plow $200. 215/598-7546 or 598-7357

For Sale - 1972 Chev. 4 door car, fair cond. Zimmerman's chain driver curtain opener for hog house, like new. 717/354-7419.

For Sale - Farmall H tractor w/power steering, live two-way hydralics & cultivators Good shape, new tires. $900. Lanc. Co. 717/299-4462.

For Sale - AC "B" 1 row cult, 1 bottom plow, hyd, new alt, $2000. Fulton Co. 717/485-5372 after 8 p.m.

For Sale - NI 17 Manure spreader, New Webb, $500. Snow plow for super A stihl chain saw $150. 215/932-2764.

For Sale - 1 JD model L, 1 JD model LA. 609/585-6876

For Sale - Oliver wheel disk 11' $850 or make offer. Must sell! York Co. 717/637-0206 or 637-4887.

For Sale - 3 Angus cows w&calves or near calving Also, bred heifers / 1982 heifer calves. York Co. 717/235-6922.

For Sale - 70' belt feeder $450 belt like new, 20' Starline silo unloader used very little $450. Berks Co 215/285-2414.

For Sale - David Good sale, Feb 2. Rear steel wheels to fit Leyland or Nutield farm tractor.

For Sale - Woods 30", 5C sawmill pulley, uses F hub, Amos King, 1605 Fonderwhite Rd., Lebanon, Pa. 17052.

For Sale - 7' JD & 6' Deering grain binders $100 each. 1937 JD A $315 Jefferson Co. 814/856-2885.

For Sale - M.F 3 pt. 6' disk $275, Int. 816 mower-conditioner $275. Ear corn $75./ton Leb Co. 717/933-4062.

For Sale - 1970 Chevy 40 series cab & chassie $750.; 1964 Dodge 700, 9' dump truck $400. Perry Co. 717/582-8171.

For Sale - Coturnix quail, 23 male & female. Breeding stock $2.25 each Cumberland Co. 717/532-8323 after 5 p.m.

For Sale - 1969 G.M.C. truck w/utility body $800. V-6 engine 4 speed forward. Lebanon Co. 717/867-2896

MAILBOX MARKET

For Sale - Reg. polled Herefords. 20 cows due beginning Feb. 15, herd bull, 7 yearlings. Mercer Co. 412/475-2402.

Wanted - Good used barn cleaner chain. Any make. Must be reasonable. 717/253-5924.

For Sale - JD 1010 deisel crawler, 12.4 x 28 rear tractor tires. 770 N2 corn header. Lanc. Co. 717/354-6727.

For Sale - Bryant 86,000 BTU oil burner $75. 4¼ HP 220V 1125 RPM elec. motors, $5 each. Lanc. Co. 717/656-6131.

For Sale - Riteway coal or wood stove $175. Also, Ford roll over plow. Bedford Co. 814/623-2804 or Lanc. Co. 717/656-9595.

Wanted - NI #4 Hayrake for parts, 3 pt. hitch convertor for AC WD45 w/snap coupler. Hartford Co. 301/836-1058.

For Sale - German Shepherd pups. 6 wks old Jan 29. Daniel F. King, Newport Rd., Box 18, Gap, Pa. 17527.

For Sale - JD 1209 Haybine, good cond. Bale wagons. 301/592-6485 after 6 p.m.

For Sale - 435 JD diesel tractor, 3 pt., wide front, $2800. Wanted - Owners manual for T-6 International crawler. Garrett Co. 301/689-8931.

For Sale - Ford 800 tractor $2250 very good, Farmall cub w/5' rotary mower $1275 very good. Northumberland Co. 717/648-9641.

Wanted - 10 or 12 can milk cooler. State cond, price. John M. Stauffer, R1, Box 279, Port Trevorton, Pa. 17864.

For Sale - 18 can milk cooler, exc. cond. Lehigh 1 HP compressor $350. 717/656-9876.

For Sale - Antique COB buggy, wine w/black patent. Brass, new rubber, spares compartment, pony, $750. Franklin Co. 717/263-0141 after 3:30.

For Sale - 10 acre farm, Mt. Joy area, $150,000. 40 acres additional farmland, $3,200 per acre. No brokers. Lanc. Co. 717/944-1448.

For Sale - 1950 Ford F-6 cab, & chassis 360 V8. 1968 GMC 5500 V6 dump. Huntingdon Co. 814/632-5781 eves.

For Sale - Remington 18" chain saw. 275 gal. fuel oil tank, pair 6' tool boxes for pickup. Lanc. Co. 215/267-5096.

For Sale - 8 Surge milcups $35. apiece. Also, Hinson protective windbreak for D-17 tractor Berks Co 215/683-8456.

For Sale - 18' alum. grain body 6' sides, removable top, single telescoping ram, $6000 207/839-4272 eves

Wanted - 2 good rear tractor tires. 13.9 x 36 or 13.6 x 36. Warren Co 201/453-2549.

For Sale - JD diesel w/48 loader A-1 rubber & paint hi/lo shifter, 60 HP. York Co. 717/229-2564.

Wanted - Used or new chain link fencing 48" or taller, also gates. Carroll Co. 301/875-2006.

For Sale - Reg Erdenheim Cheviot ram. Ram is a twin, has been wormed & dipped. Chester Co. 215/388-6289.

For Sale - 28 volt DC generator powered by 4 cycle Wisconsin. 4 hrs; International truck F-1700 Load star. Huntingdon co 814/669-9382.

For Sale - 1st cutting Timothy/Alfalfa hay, no rain, $110 per ton. 717/469-0467

Wanted - John Bean potato grader for parts. Any cond. w/good upper rolls David Lapp, R2, Box 272, Myerstown, Pa. 17067

MAILBOX MARKET

For Sale - Large drill press w/5hp. 3 ph. electric motor w/air feed cylinder. $300.00 or will trade. Harrisburg, Pa. 717-652-1957.

For Sale - 4 International insect. applicators. $50 each. Hawk Bilt flail spreader, good condition. Lancaster Co. 717-665-7284.

For Sale - 4 way snow plow for Datsun/Toyota 4 WD w/lights. $1100. Also roll bar w/light, $125. Like new. Berks Co. 215-378-5255.

For Sale - Good used top buggy, hyd. brakes, asking $1400.00. 215-683-6628.

For Sale - Case 2290 & 1070, 2 J.D. 4430's, 2 Morbark 22 chipper, 2 timberjacks 240D. 717-733-0058 after 5 p.m.

For Sale - 7 yr. old standard bred horse. Elmer Beiler, Box 36, Peters Rd., 5 mi. south of New Holland.

For Sale - 1968 Chev. ½ ton pickup, fair condition. $800.00. 1 row tobacco transplanter $40.00. York Co. 1-717-993-2919.

For Sale - Shoop horse trailer, thoroughbred size w/ramp; good condition $1250. 3 yr. registered saddlebred colt Show quality. Lancaster. 717-392-5834.

For Sale - Reg. Holstein bull sire. Glen Valley Star. Dam 23,669 milk 842 fat 3.6% test. Lancaster Co. 717-354-9340.

For Sale - At New Holland sales stable Feb. 2 Willow Farm Rockman, Ivanhoe heifer due Feb. 9.

For Sale - 5 yr. old black mule. Works both sides. B. K. Stoltzfoos, Jr., 3773 E. Newport P., Gordonville, Pa. 17529.

For Sale - 10 ft. M.H. 72 S.P. combine. Working condition. $1500. 222 C.H. excellent condition $1000. York, Co 717-993-2628.

For Sale - John Deer, 13 hole disc drill. John Deere Model 30 Combine. Both in good condition. 717-993-2927. York Co.

Notice - Attention: Homemade sauerkraut dinner, Zion United Church of Christ, Market St. and Waterford Ave., Marietta, Pa. Feb 5. 717-426-3871.

For Sale - Springing Holstein heifers, vac. and tested. Berks Co. 214-488-7212.

For Sale - Oliver model 25 combine for parts; Oliver model 12 cornhead 2R. Oliver 10' grain head Northampton Co. 215/588-1874.

For Sale - Meter-rite 400 AMP double throw switch for center pole like new, $295. 717/966-0145.

For Sale - Lanc. County blend honey, 5 gal. $45 717/665-4641.

For Sale - Reg. Tennessee Walking horses, 8 mos. & up. Standing at stud Black Beautiful Ebony's Jackpot. Bedford Co. 814/767-9622.

For Sale - JD model 500 round baler, bale a total of 300 bales, Franklin Co. 717/597-3364.

For Sale - JD 4230 w/cab, dual hydraulics & quad. range trans. 301/795-9375.

For Sale - Straw. $1.00 for large New Holland bale. Schuylkill Co. 717/366-2959 after 4 p.m.

For Sale - Wacker gas powered tamper. Exc. Cond. $675. Will consider trade for 12" or larger wood planer. York Co. 717/225 3779.

For Sale - Orchard grass seed; first & second cutting. Alfalfa hay; Oliver 77 tractor, Mack fire truck. Lehigh Co. 215/756-6618.

For Sale - Potatoe equip. Sprayer (John Bean) harvester grader, bin stacker, Brusher 35' bulk loading elevator. Lehigh Co. 215/767-2234.

MAILBOX MARKET

For Sale - John Deere transport disk, 12 ft. In good shape. $650.00. 717-776-5461. Cumberland Co.

For Sale - J.D. #46 loader, $600.00. Also 60" bucket for # 148 loader. 1 pr. 18.4x26 10 ply diamond tires. 717-354-0176.

Wanted - Tires & rims for 165 Masey. Any condition. Amos M. Zimmerman, Box 162, R2, East Earl, Pa. 17519.

For Sale - White 543 pull type corn planter, 4 row. Used 3 years, 220 acres. Chester Co. 215-593-6162, after 5:30.

For Sale - 13 feeder pigs. Call 215-932-8849. Chester Co.

Wanted - Piano. Either console or baby grand. For Sale - Antique square baby grand. Chester Co. Call 215-932-3352.

For Sale - Stainless steel vat on 4 wheels, 5' long, 29" wide, 26" deep. $100. Lancaster Co. 215-286-9797.

For Sale - '79 Artic Cat El tigre' 5000, like new. First $1500. Lycoming Co 717-546-5676.

For Sale - Hereford bulls, year and half old. No horns '71 Ford pick-up truck. Needs some repair. 215-488-1762. Bernville.

For Sale - 90 very nice antique snow catchers for slate roof. Good condition. 50 cents each. Cumberland Co. 717-776-3578.

For Sale - Approx. 30 guinea chickens, mostly hens. $1.25 a lb. 215-926-5177.

For Sale - Badger traveling bunk feeder for 90 ft. bunk. Good condition. $1500.00. Berks Co. 215-926-2908.

For Sale - Registered bull sired by Tradition Dam V6 w/high quality udder; sired by Gay. DHIA record over 20,000. 717-687-8893.

Wanted - Fuel oil tank truck about 26,000 GVW. Also, a used tank truck body, around 2,000 gal. York Co. 717/757-1960.

For Sale - Simmental bulls. Outstanding individuals young & old. Horned & polled. $650. & up. Frederick Co. 301/972-4437.

For Sale - JD 14" hammer mill on wheels w/ 6 cyl Chev. engine; JD #2 hay fluffer. Reasonable. Salem Co. NJ. 609/358-8507.

Wanted - To buy wild cotton tail rabbits for training area within 20 mile. Cecil Co. 301/398-5423

For Sale - 2510 JD diesel, good shape. Levi Leinbach, R1, Box 624, East Earl, Pa. 17519

Wanted - JD A.W. transport disc. or similar w/ good frame & bad blades, 11' - 12' reasonable. 717/665-2561.

For Sale - Reg. Corriedale lambs, 1 ram, 1 ewe, 215-856-5098 Berks Co.

For Sale - Bar equipment, 28' oak bar, ice maker, beer coolers, bosh, grill, deep fryer, compressors, refrigerators. Berks Co. 215-678-9326.

For Sale - Hesston 1520 manure tank, 6 mos. old. Wanted - 800 gal. milk tank and bucket milkers. Berks Co. 215-488-6384.

For Sale - Holley 2 barrel $45. Clay manifold for Holley 2 barrel $25. Wm. K. Schaeffer, RD2 Myerstown, PA 17067.

For Sale - Vermeer round baler, AC 190XT, 331 NH spreader Lanc. Co. 717-569-9861.

For Sale - 4-wheel drive Scout w/snowplow, $1200. 2 wheel trailer, $150. North'd Co. 717-742-4429.

For Sale - American standard bath tub, new, $179. 717-786-1746 Lanc. Co.

For Sale - JD 1240 corn planter 4 row, plateless, exc. cond., $2000. Can be delivered. 814-662-4203.

MAILBOX MARKET

Wanted - ADGA registered Alpine Buck. 1 year old for breeding. Montgomery County. 215-489-4480 - 5 to 9 p.m.

For Sale - International 460 utility, cab, loader, 2 buckets, 2-3 point hitch $4,250. Mowers - Triumph highway mower. Chester Co. 215-255-4642.

Wanted - AC WD45 or WD for parts. For Sale - American grain dryer int. 4 cyl gas engine. Bucks Co. 215-249-3623

For Sale - E4 Co-op tractor, Woods balebuster, Helix auger unloading trailer bin. Montg. Co, 215-234-8310.

For Sale - TD9 bulldozer TD14 bulldozer and parts Call from 8 a.m. to 8 p m 215-679-6632.

For Sale - 2 - 6ply 16-9x24 tractor tires, $50.00 each 215-326-0156 after 6 p.m.

For Sale - Bundy flute with case, just reconditioned. Asking $125. Chester Co, 215-932-4728.

For Sale - NH 310 baler w/70 thrower $4400.00 or offer. Century 29S amp welder w/leads. New $275/pffer 215-589-2966, 717-866-4185.

For Sale - 1979 Ford LTD 4 dr. sdn., 90,000 mi. Dented side, runs good. p/s,p/b,$2,000 firm 215-723-0386 Bucks Co.

Notice - Brown Valley Farm consignment in Carroll Co., calf sale on March 16 - 7 p.m. A March Milestone - 83 pt

Notice - Brown Valley Farm has consigned very nice Sept. Elmer out of a Very dam. March 15 - York Fair grounds

For Sale - John Deere 494A 4 row corn planter $600.00. Ford 309 2 row corn planter $300.00. Lancaster Co. 717-733-8042.

For Sale - Snow plow blade. Fits souder front end loader, $100 00. 20 hp Reid gas engines Chester Co 215-458-8433.

For Sale - 1978 MF 1085 Diesel, 1600 hrs, new rubber (16 9x38), dual remote hydraulics, multipower, excellent condition. 717-889-3197. Schuylkill Co

For Sale - AKC Boxer puppy. White male $100 or trade for gun, musical instrument, tools. Tioga Co. 717-673-5769.

Wanted - Good 36" or 42" hay drying fan Also have top beater for J.D. 54 manure spreader. Lyc. Co. 717-322-0031

For Sale - AKC registered Doberman pinchers, 7 wks old, shots and wormed. Red, fawns, blues $150. Sch. Co. 717-754-4287.

Notice - Duck decoy men from Long Island - Lost your phone number -- Please contact Basswood man from Tioga Co, Pa. 717-376-4971.

For Sale - Machine bolts, grade 5 plated 240 3/4"-16 x 3 3/4", 390 1"-12 x 2 1/2", .40 ea 3/4-16 Helicoil thread repair kits. Carroll Co 301-775-2849.

For Sale - 75 Ford 1/2 ton supercab, 302 engine, 3 speed, 55,000 mil No rust. $2300 00. Lancaster Co. 717-665-5294

Notice - Easiest way to kill rats, mice. Send $2 for information to Marlin Crone, R.D. 3, Box 368, Dover, Pa 17315.

For Sale - New log rollers w/long and short tongues. Order yours now. Isaac S. Miller, R.D. 1, Box 153, Christiana, Pa.

For Sale - '52 Chevrolet dump truck, good tires, good hydraulics, 10 ft. dump bed, engine runs good. $500. Lancaster Co. 717-548-2927.

For Sale - Large coal or wood shop stove. Favorite rabbit pens. Christian L. Beiler, 68 S. Weavertown Rd., Ronks, Pa.

REAL ESTATE

ATTENTION gentleman farmers or horse lovers. Here's a large, custom rancher 7 years new. Offers 3 bedrooms, full basement and fireplace. Also a 30' x 60' barn. On 13½ rolling acres in central New Jersey horse country. Ask for Hal Brewer at: KOURY & CLEMENT, REALTORS, MOUNT HOLLY, NEW JERSEY. Call collect 609-267-1180.

MAILBOX MARKET

For Sale - Amish open buggy. Good cond. Abram L. Beiler, Box 34, Madisonburg, Pa. 16852

Wanted - 275 gal. fuel tank. Good shape. Gideon F. Stoltzfus, R2, Box 2276, Gap, Pa. Lanc. Co

For Sale - 4 compressors w/3 phase motors, 2-3 HP Yorks, 1-2 HP York. Ralph Otto, R6, Box 115, Carlisle, Pa. 17013

For Sale - TD-9 91 series. Drott 4-in-1 bucket & rippers $4000. Myer tailgate cinder spreader. $800. Montour Co. 717/437-2778.

For Sale - Walnut, cherry & ash lumber Butcher tools & farm related antiques. 717/469-2377.

For Sale - Reg. AQHA Buckskin gelding, broke for kids $1000. 1982 3 horse stock trailer $2600/b.o. Perry Co 717-567-9773.

For Sale - Cut slabwood. $20 p/u load. Rough cut lumber, sawdust, custom sawing. 717-536-3361

For Sale - 1 red sorrel gelding white mane & tail, $800. Henry Miller, 2714 Creek Hill Rd., Leola, Pa 17540.

For Sale - Sun wire wheels, 20"Hx1¾"w ball bearings, solid rubber tires will fit ¾" axle, $17 ea. Lehigh Co 215-282-1640.

For Sale - Packard, 120 4 door 8 cyl., good eng. restore or good parts car, complete. 215-679-5788 Montg. Co

For Sale - Pygmy doe, yearling, coal black Nubian buck, registered purebred, 1½ yrs. old, black/white spots Adams Co. 717-359-5165

For Sale - Reg Australian shepherd pups, watch or working dogs Born 12/12/82 Elmer S Stoltzfus, Gap R1, Box 463, Pa

For Sale - Hardboard shelving 1"x12"x60" approx. 40 pcs. $1.50 each, like new condition, Lanc. Co 717-394-3607

For Sale - Purebred Yorkshire boar, 4½ months old. Bucks Co. 215-493-5528.

For Sale - 3 first calf heifers due in March. Joseph K. Glick R.D.#3, Box 119, Haiti Rd., Quarryville, Pa. 17566

For Sale - Wood over-head door 24'x12'. Good condition, w/electric opener $450.00. Also 9'x7' O.H door $65 00. Lancaster Co 717-687-8237

Request - From a buyer, seller That the year, H P & price be included on tractors in the classified & mailbox.

For Sale - Hammermill Two ton molasses tank with heating coils Blower system for hammermill, after 5.30 p m., Lancaster Co 717-768-8453.

For Sale - Singer touch & sew deluxe zig-zag with buttonholer and cabinet, 5 hp outboard motor. 215-486-0460. Chester Co

For Sale - Bay standard bred carriage horse 16H, $800.00. Daniel S Dienner, R.D 1, Gap, Pa. 17527 Along Buena Vista Rd.

For Sale - Large round bales of Timothy and Clover $35 per bale. Also 3 ton wheat straw. 717-624-7275. Adams Co.

REAL ESTATE

Perry Co. 80 Acre general farm bank barn, 4 bedroom 1½ bath home and small unattached rental apt. 717-438-3440

NEW JERSEY FARM
Specialize in growing livestock. 46 excell. acres plus 2 separate sets of buildings. 1st set includes house, barn and 4 car garage, separate. 2nd set consists of office plus 3 story insulated and sloped floored buildings, dimensions each building 120' long by 50' wide. Cash or contract. CALL FOR PRICE BEFORE 7 A.M. 609-451-5718. OR WRITE M. McCracken. Box 24 Roodstown Road, Bridgeton, NJ 08302

For Rent - 150 acre dairy farm, Shippensburg area, 301-833-1847

York County 162+ Acres mostly planted to apple trees in full production. Various other fruit trees. Well maintained property in two separate tracts with much road frontage. Three bedroom farmhouse. Two large barns one equipped w/grading and packing line. 37x74 cold storage. Call today for more details. 717-225-3643. Anchor Realty RD #4 Box 4310 Spring Grove, PA 17362.

For Sale - Cecil County, MD farm, 40 acres, $90,000. Kent County, MD farms, 91 acres, $212,000. 14½ acres, $29,500. 7 acres $16,000. Cooper-Barroll Realty, 301-648-5593 Galena, MD 21635.

Farmers Home Administration, R.D. 3, Box 27F, Montrose, PA 18801 has for sale the following: 74 acre farm containing 60 acres tillable, 100+ tie-stall dairy barn, free-stall heifer barn, 30' x 60' silo, and machine shed. 2 story wood-lap siding dwelling with full basement. Formerly owned by William and Beverly Cantone, located in the Township of New Milford, County of Susquehanna, Pennsylvania. 3 Miles east of Interstate 81.

BID DEPOSIT: Bid must be accompanied by cash (sent at bidder's risk), certified check, cashier's check, postal money order or bankmoney order payable to the Treasurer of the United States, for at least 5% of the total bid.

RATES AND TERMS: Cash or financing possible on terms of not less than 5% downpayment with the remaining amortized over a period not exceeding 25 years, with the interest rate at the current operating loan rate plus ½ percent.

TERMS OF SALE: Contact County Supervisor, Farmers Home Administration, R.D. 3, Box 27F, Montrose, PA 18801, for an appointment to inspect the farm. Sealed bids are invited and will be accepted until 2:00 p.m., February 4, 1983, at the Montrose County Office and will be opened publicly at 2:30 p.m. EDST the same date and place. The Government reserves the right to reject any or all bids. This farm will be sold without regard to race, color, religion, sex, age, national origin or martial status.

103A. dairy farm, 60 tillable, 40 pasture, 22 stanchion dairy barn, Surge pipeline milker, 80x48 freestall barn, 42 stalls, automatic feeder, 56x35 calf barn, 80x40 machine shed, 2 silos, 16x48 3 bedroom ranch home, pool w/deck, trout stream, 65' trailer opt., near Gettysburg, $215,000. 717-334-0292.

100 acre dairy and tobacco farm, Lancaster Co., milking parlor and good buildings, $4000 an acre. Write to PO Box 366 D-24, c/o Lancaster Farming, Lititz, PA 17543.

REAL ESTATE

Perry Co., 45 acre farm. Three year old bilevel home. Oil and wood furnace. 26 stall dairy barn. ½ mile from town. $130,500. 717-582-3173.

18 wooded acres, Huntingdon County $600 per acre. 75 wooded acres, Mifflin County $400 per acre. Good hunting. Weekday evenings 717-899-6162.

For Sale - New earth sheltered home, located in northern Berks on acre lot w/trees, $49,000 or reasonable offer. 215-488-7155 after 5:00 P.M.

Sale of Farm by the United States Government. Farm tract containing 10 acres more or less of good rolling Manor Township soils. Large log farm house, 200 head veal calf barn and bank barn for tobacco and 60 more calves. Property formerly owned by Raymond F. and Carol Ann Farrell, located 4 miles west of Millersville on Aucher Road. Bid Deposit: Bid must be accompanied by cash (sent at bidder's risk), certified check, cashier's check, postal money order, bank money order, or personal check, payable to the Treasurer of the United States, for at least 5% of the total bid. Rates and Terms: Cash or terms not less than 5% downpayment with the remaining balance amortized over a period not to exceed 25 years at 12% interest to qualified buyers. Terms of Sale: Contact Farmers Home Administration, 1383 Arcadia Road, Lancaster, PA 17601, for appointments to inspect the farm. Sealed bids are invited and will be accepted until 9:30 a.m. EDST February 25, 1983, at the Farmers Home Administration, 1383 Arcadia Road, Lancaster, PA 17601, and will be opened publicly at 10:00 a.m. the same date and place. The Government reserves the right to reject any or all bids. This farm will be sold without regard to race, color, religion, sex, age, national origin, or marital status. For further information and bid forms, please contact the Farmers Home Administration, 1383 Arcadia Road, Lancaster, PA 17601, telephone (717) 393-4760.

Sale of Farm by the United States Government. Small farm tract with commerical possibilities. This 3.2 acre property has a large two-story home, improved bank barn, large block building, and a 11,600 cage layer facility. This unit is located on 250 Maple Ave in Bird-in-Hand, PA. Bid Deposit: Bid must be accompanied by cash (sent at bidder's risk), certified check, cashier's check, postal money order, bank money order, or personal check, payable to the Treasurer of the United States, for at least 5% of the total bid. Rates and Terms: Cash or terms not less than 5% downpayment with the remaining balance amortized over a period not to exceed 25 years at 12% interest to qualified buyers. Terms of Sale: Contact Farmers Home Administration, 1383 Arcadia Road, Lancaster, PA 17601, for appointments to inspect the farm. Sealed bids are invited and will be accepted until 9:30 a.m. EDST February 25, 1983, at the Farmers Home Administration, Lancaster County office. Bids will be opened publicly in the FmHA county office at 10:00 a.m. the same date. The Government reserves the right to reject any or all bids. This farm will be sold without regard to race, color, religion, sex, age, national origin, or marital status. For further information and bid forms, please contact the Farmers Home Administration, 1383 Arcadia Road, Lancaster, PA 17601, telephone (717) 393-4760.

REAL ESTATE

68 acre dairy farm in Snyder Co., 24 stanchions, good buildings and a large 5 bedroom home, possibility of 10% financing, $165,000. 717-837-2358

Southwest Georgia Farms, Dairies and Timberlands. Contact Don Butts, Day Realty, Albany, GA (912) 435-6271

For Sale by owner, 360 acre dairy farm, 155 acres tillable, 95 tie stalls on pipeline, 1000 gal. bulk tank, heifer barn, attached machine shed, 2 20x50 silos w/unloaders, good 10 room house, 2 bedroom trailer, located in Central NY, $130,000. Write PO Box 366 J-259, c/o Lancaster Farming, Lititz, PA 17543

2 acres - Perry County, would make good hunting camp. Loysville, 717-789-4378

WANTED — Central N.Y.S. dairy farm 150± tillable, 50 + ties, prefer pipeline, 2 silos, equipment, shed (s), good 3+ bedrooms, good repair. Good location for milk market, priced reasonable, can close fast, no realtors. PO Box 281, Marathon NY, 13803

No. 605 Livingston Co. - Dansville, 2 barns 100 ft. apart, free stalls 76 and 66. Contact Willard Pengelly, Managing Brooker, 716-494-1880, Harris Wilcox Inc., Bergen, N.Y.

Berks Co. Poultry Farm For Sale - 20 to 50 acres available. 35,000 bird layer house on contract, excellent condition. 2 bedroom mobile home or will sell entire 60 acre farm. 215-562-7776

Dairy Farm - 230 acres in Bedford Co., PA, 170 cropland and pasture, 42 stanchions, 48 free stalls, 2 Harvestores 20x80 and 20x35 with belt feeder, 2 concrete silos-12x45 and 14x50, with unloaders, pipeline milkers, bulk tank, other sheds and building, 3 story house, 4 bedrooms, bath, modern kitchen, 2 house trailers, 1 with 3 built on rooms. This can be a 2 family operation. This farm is in full operation now, would like to sell to another farmer who would keep farming. Health reasons for selling. $375,000. No real estate agents please. Sale by owner. 814-784-5550

No. 596 - Orleans Co. north of Batavia 10 miles, 102 free stalls, 3 groups, flat barn for milking. Contact Willard Pengelly, Managing Broker, 716-494-1880, Harris Wilcox Inc., Bergen, N.Y.

Wanted to Buy - 30 to 50 acres in Cumberland, Perry, Juniata, Adams or Franklin Counties or operating Dairy in same area. Call after 9 P.M. or before 6:30 A.M. 717-766-6050

200 acre farm. Once dairy-large; spacious farmhouse, 2 large barns, concrete silo, woods, -- on good road. $90,000. C-20. Winters Real Estate, Inc. Phone 607-962-2401 or write: 122 West High St., Painted Post, NY 14870

YORK COUNTY - Near Norman Wood Bridge. Hog Operation, Nebraska Style finishing house for 600, plus farrowing house, situated on a 69 acre farm with a large, 3 story frame house Farm Home financing for the qualified buyer. Call for more details. BAUGHMAN REALTORS 717/741-4671 or 717/862-3869 (200598)

196A Dairy farm, 66 tie stalls, pipeline liquid manure system. Tioga County. 717-724-1760

Home on Sugar Brach Lake, 4 yrs. old, 3 bedroom, kitchen, dining room, living room, bath upstairs, more bedrooms, kitchen dining room, living room, bathroom downstairs. Troy, PA $55,000. 201-496-4373

REAL ESTATE

If you're looking for a farm, land or have any other real estate needs, you'll find what you want in the Real Estate classifieds. 717-394-3047 or 717-626-1164.

Tioga County 65 acre farm with stream, barn, new slaughter house. Ranch style home with 3 bedrooms, 1½ baths, 2 car garage. 717-724-3768. Call 717-724-3853. evenings and weekends.

For Sale - 3 bedroom house and grocery store with snack bar, country setting, North Lancaster Co. For further information write 305 Lexington Rd., Lititz, PA 17543 or call 717-626-2995

Huntingdon Co. 168 acre crop and beef farm, 100 acres tillable, good soil, well fertilized, 3 bedroom farmhouse, alum. siding, tenant house, lg. bank barn, river frontage, immediate occupancy, under $1,000 an acre. 814-643-4446 eve.

Greenhouses, set up for hydroponic vegetable production. 7,800 square feet. Fall crop now in progress. Ranch home on 11.9 acres meadow, stream on property. All for $155,000. 215-384-1157

For Lease - outstanding 330 acre dairy farm in Southern Tier NYS. Harvestore and other silos, 70 cow barn and other buildings. 607-849-6097.

Snyder Co., Chapman Twp., 130 acres general farm, approx. 100 acres tillable, 2 story frame dwelling, bank barn, outbuildings. Asking $1,000 per acre or best offer. Must settle estate. 717-374-8333. 215-822-3822

Dairy farm with 6 cow milking parlor, 48 cow free stall barn, heifer barn, 16'x65' Marietta silo with cement bunker spring fed stream running through pasture. 119 acres with 85 tillable. Large 4 bedroom house, 2 full baths and attached summer house. 2 full baths and attached summer kitchen, located in the Turbotville, Pa area. $150,000 00 Call 717-546-2233 or 546-2313

90 acre Farm with stone home, shop attached, banked dairy barn, 3 apartments in detached building. Gross rental potential over $20,000 per year, zoned industrial, must be sold, $360,000.00 Call ARA Real Estate at 215-857-2141.

No. 572 - Cattaraugus Co., 35 miles from Jamestown, 106 free stalls. Contact Willard Pengelly, Managing Broker, 716-494-1880, Harris Wilcox Inc., Bergen, N.Y.

General Farm for sale, Hancocks Bridge, NJ. 237 acres, 175 tillable, remodeled two story house, new 42'x72' Morton machinery building, excellent deer and goose hunting, low taxes, $1500 per acre. Owner selling. Richard Hinchman 609-935-4179

Rent Bradford County dairy, 35 tie stalls, new Patz cleaner, large steel building, 70 acres tillable, 50 acres pasture. 717-569-0381

Farm for sale - hog and beef operation in Union Co., 117 acres limestone soil, large stream, 8 room house, large barn and out buildings, $1850 per acre. 717-922-1410.

For Sale By Owner - poultry farm located on 15 acre Juniata Co. 344' cage layer, 15,000 cap., 3 story block pullet raising facility, 11,000+ cap., 2 story 3 bedrm. home. Profitable business, contracting available, partial financing at 5% phone eve. 717-463-2393 or write, Keith Renno, McAlisterville, PA 17049.

REAL ESTATE

Excellent tax shelter on this 91 acre dairy & layer farm, with large 3 story brick home, beautiful setting in the middle of fairly level Adams Co. $250,000. Creative terms L-3162 KEY REAL ESTATE (717)632-6400 or 632-3468.

Farm Wanted: I have a buyer who wants a dairy farm for about 40 cows. Will pay 175 to 200 thousand. Prefer owner financing with $40,000 down. Call Nelson Ebersole Realtor-Auctioneer at Suburban Realty 1-717-867-4487.

NOTICE - I will help you get your Real Estate License, Call Nelson Ebersole Realtor-Auctioneer, Suburban Realty 1-717-867-5221.

For Sale - 73 acre farm, 15 miles east of Harrisonburg, VA, w/barns, silos, modern milking parlor, feeding equipment, bordered by 2 streams, excellent soil and location. Only interested need apply. Send replies to Lancaster Farming, P.O. Box 366 R-33, Lititz, PA 17543.

For Sale - Farm 139 acre poultry house, 2 story, dairy set up for 60 head, will provide poultry from dairy. 450 acre available for rent. Dauphin Co., 717-896-8766.

No. 590 - Genesee County, 85 free stalls, flat barn for milking. Contact Willard Pengelly, Managing Broker, 716-494-1880, Harris Wilcox Inc., Bergen, N.Y.

Wanted to Rent - 20 to 40 acre farm land for corn, tobacco, Spring of 1983. Southern Lanc. Co. Phone 529-2236 after 5 P.M.

FREE CATALOG! Describing numerous Pennsylvania farms, camps, acreage tracts, cottages, homes and businesses. Write Dept. LF, WEST REAL ESTATE AGENCY, INC., 5528 William Flynn Highway, Gibsonia, PA 15044.

Damascus, Pa. area; 50-acre farm near New York & New Jersey, 11-room & bath home; 40x80 dairy barn; 37 stanchions; milk house; 2 silos; pretty view, seller willing to finance No. 7339. WEST REAL ESTATE AGENCY, INC., P.O. Box 191, 742 Main St., Honesdale, PA 18431, (717)253-2878.

LOW PRICED ACREAGE
41 acres with all mineral rights; near Bedford; priced in the "teens". No 4746. WEST REAL ESTATE AGENCY, INC., R.D. #5, Box 99, Bedford, PA 15522, Phone: (814) 623-8594.

No. 606 - Orleans Co. Lyndonville, 150 free stalls, 4 silos, mobile home residence 14 x 70, qualified parties can buy this one on a land contract. Willard Pengelly, Managing Broker, 715-494-1880, Harris Wilcox, Inc., Bergen, NY.

2 Farms consisting of 120 acres of very fertile land, 2 sets of buildings for sale by the owner, John Strawbridge, 301-996-2022.

For Sale - Approx. 15 scenic acres Humphrey, N.Y. several springs, large meadow, small woods, 1200 ft. road frontage easily access to power lines. Write P.O. Bod 366 D-23 c/o Lancaster Farming, Lititz, PA. 17543

Country store, good location on main highway, Rt. 6, Mainesburg, PA, 6 mi. south of Mansfield, store-gas staton combined with two apartments. Equipment and inventory included. $75,000. 201-496-4373

Two farms for sale by owner. Call for details 717-436-8309

Wanted to rent - Dairy farm, prefer stanchion barn, with or without cows, Lebanon or surrounding counties. 717-933-8678

REAL ESTATE

104 LEVEL AND PRODUCTIVE ACRE FARM - With Pre Civil War, eleven room, four fireplace adornment, a large bank barn, blacksmith shop and pond. $260,000 (9393) Marshall Miller, Inc., Real Estate, 145 Baltimore Street, Gettysburg, Pa. 17325, 717-334-6283.

SALE OF FARM BY THE UNITED STATES GOVERNMENT. Consisting of 125 Acres and 48 perches; approximately 100 cropland, balance woodland, roads, and buildings: 1 bank barn, 1 stone shed and 2 story stone farmhouse. The property was formerly owned by Boyd M. and Judy L. Hitz. Located in South Annville Township, Lebanon County (Fontana area). Bid Deposit: The bid must be accompanied by cash (sent at bidder's risk), certified check, cashier's check, postal money order, bank money order, or personal check, payable to the Treasurer of the United States for at least 5% of the total bid. Rates and Terms: Cash or terms not less than 5% downpayment with the remaining balance amortized over a period not to exceed 25 years at 12% interest. Terms of Sale: If interested, contact County Supervisor, Farmers Home Administration, 538 East Penn Avenue, Cleona. Sealed bids are invited and will be accepted until 10:00 a.m. EDST February 10, 1983 at the Farmers Home Administration, 538 East Penn Avenue, Cleona and will be opened publicly at 11:00 a.m. EDST that date and place. The farm will be sold without regard to race, religion, sex, age, national origin, or marital status. The government reserves the right to reject any or all bids.

310 ACRE CENTRAL N.Y. DAIRY FARM - 130 tillable, 61 tie stall barn w/Surge pipeline, heifer area, machine shed, silo w/unload, 2 bunkers, Beaut. 4 bedrm log home, 2 car gar., swim. pool and 6 rm. tenant house and gar. All for $175,000! or purchase without tenant hse. for $155,000. BOUCK REAL ESTATE (315) 252-7503 or Salesman for appt. only, Joyce Morgan (315) 497-0187.

Dauphin County - By owner, 29 acres, 4 bedroom house, 2 garages, barn, grain building, hen house, brooder house, 2 storage sheds, orchard, stream, 35 min. from Harrisburg, RD Halifax, $100,000. Call 1-362-3422.

Farm For Sale

Cumberland County

150 acres of rolling limestone soil. Dairy barn for 41 cows. 3 silos. Reduced $250,000.

717-776-7650

LOTS O'LAND

Hunters & Sportsmen - Perry and Juniata Co Lots and land available in many areas, all sizes many wooded, some with trout stream

Blain - 14 acres wooded and secluded
Ickesburg - 1-40 acres
Heritage Hills
East Waterford - lots and lg acreage, road and creek, subdividing 550 acres or package
Much more let us know what you want!

Neil Wingenroth
agent
F.E. Morrow
Real Estate
717-536-3236

REAL ESTATE

104 acres in Franklin Co., 80 tillable, Amish neighbors, price reduced
100 acres in Adams Co., all tillable, no improvements

Van Cleve Real Estate
717-392-3032

FOR SALE BY OWNER

100 acre highly productive dairy farm, buildings and house in excellent condition, located 35 miles east of State College PA., Clinton Co., 717-726-3251

COMMERCIAL (BUSINESS POTENTIAL OR HORSES) PROPERTY WITH 1 ACRE!!

Rapho Twp., Rt. 72 north of Manheim. A 2 Colonial story log structure, restored 3 bedrm., 2 bath, laundry and 2 car garage with shop.

CALL
717-665-4345

FARM FOR SALE

126 acres in Lancaster Co. on Mine Road near Gap, will subdivide.
Also, an N5 AC gleaner combine.

For info. call
717-442-9549

SHEETZ REAL ESTATE
RAY N. WILEY INC.

323 W. Main St.
Mount Joy, PA
CALL 653-1481

FARM LISTINGS NEEDED
Farm Salesman - Eugene Kreider

Beautifully secluded 150 acre farm. Juniata Co. Spring fed stock pond, evergreens abounding, high Alpine fields with deer and turkey providing spectacular view of valley. 9 room house with bath, large deck overlooking pond, almost completely remodeled, new wiring and plumbing, thick insulated walls, electric heat. Large barn, other out buildings. Approx. 90 acres tillable, 35 miles northwest of Harrisburg, 30 miles to Penn State, $165,000. Call 717-872-2048.

FOR SALE BY OWNER
(New on the Market)

Approx 130 acres of gently rolling fields in a high state of cultivation Two sides of property bordered by large stream over 1/3 mi frontage on major Rd 17 acres hog fenced sml piece wooded Located in Franklin Co., PA just a short distance from exit 14 of the Penna Turnpike Property lies between two mountains making some of the best deer hunting and most beautiful scenery in all of Pennsylvania Low taxes, friendly Amish neighbors and local services make this a great buy at just $1400 an acre for personal, farm, or development possibilities Call 717-349 7424 for confidential showing

REAL ESTATE

Immediate Possession
221 acre farm, 2" pipeline milker, 1000 gallon tank, 58 tie stalls, room for heifers, 3 silos w/unloaders, a lot of feed in silos, house has baseboard oil and wood heat.
607-243-8669

Farm for Sale
221 acres, 58 stanchions, plus heifer pen, pipeline milker w/2", 1000 gallon bulk tank, 3 silos. Overlooking Seneca Lake. Owner financing for qualified buyer.
607-243-8669

REAL ESTATE

SCENIC 78 ACRE MOUNTAIN PLATEAU

Scenic 78 acre mountain plateau, valuable road frontage, excellent saw timber, convenient private road through lot, good spring water, a choice investment which has the possibility of many uses. Located 12 miles northwest of Gettysburg, PA. Phone 717-677-8168

72 ACRE FARM IN MARYLAND

Near PA, owner financing at 9 and 7/8% in Whiteford area, Harford Co. 44 acres tillable, 23 acres pasture, 1 acre pond and stream. Price $199,000 w/$74,000 down and $125,000 at 9 and 7/8% APR for P and I of $1086 monthly for 30 years amort. and neg. balloon. Brochures available. Call Walt 301-574-2935, Merril-Lynch Realty-Chris Coile Inc., 301-574-5600.

SHOWPLACE 337 ACRES

275 stone free, good, tillable acres. 80 acres alfalfa. Ideally located in Columbia Co. near interstate 80 on a state highway frontag.e Farm buildings new since 1962, main barn 44'x200' plus Quonset building 40'x90', pole sheds 24'x80' and 38'x80', two silos 12'x38', 16'x40'. Currently beef, may be converted for dairy or horse farm. Excellent 4 bedroom home, 1 acre pond. Will subdivide. $395,000.

717-387-1857

DELAWARE
Lower New Castle County

230 acres, 147 tillable, good home usable buildings.

DAN ENTERLINE
Real Estate
Dover **302-674-0653**

FOR SALE:

Rockingham County, Virginia Farm. 100 acres, more or less, two Harvestores, service building, and feedlot. Suitable for dairy, steer/cow/calf operations, or cattle buyers assembly plant. Spring fed ponds, ½ mile road frontage, bank barn, Colonial house and tenant house. Creek frontage available. 60 acres plus tillable, balance in pasture. Within 15 minutes of churches, schools, colleges, hospital, and numerous service organizations. Lots of tax loss available. Possible $90,000/5% assumeable loan and $75,000/12% assumeable loan. Assessment fair market evaluation $281,000, 1982 taxes were $836.16. Sale price $285,000. For sale by owner.

Call 703-896-7212

PENNA FARMS
CUMBERLAND CO.

120 Acre Dairy Farm, level Murrill soil, bank barn with 24 stanchions 6 unit pipeline milker, 900 gal bulk tank 96 freestall barn, heifer barn 12x50 - 20x60 silos with unloaders 80' feeder emergency elec unit alum siding dwelling

180 Acres, Duffield and [illegible] limestone soils road frontage no buildings **SOLD**

62 Acres Open Land (Hagerstown limestone) no buildings

153 Acre Dairy, 135 tillable 40 comfort stalls Patz stable cleaner 600 gal bulk tank additional lounge area 7 room brick dwelling road frontage beautiful view

HUNTINGDON CO.

172 Acre General, Price adjusted to $90 000

Charles Wenger, GRI, 263-0945
George Ebener 249-4979
Wilbert Diehl 258-3231

GEORGE L. EBENER & ASSOCIATES REALTORS
139 W. High St., Carlisle, Pa.
Ph. (717) 243-6195

REAL ESTATE

FARMS FOR SALE
Dairy, Horse, Beef & Crop
(Bedford & Blair Counties)

Blair County - 84 acres - 165 acres dairy farms

Hunt. County - 96 acre dairy farm - 18x65 - 46 stanchion rafter barn

Bedford County - 188 acre A-1 dairy set-up - parlor - Harvestore - limestone - More land available

140 acres - 75 tillable or prime pasture - bank barn & large clear span 80x160 barn. Small horse barn w/stalls Totally remodeled colonial home.

Century 21

Zane Heisel Real Estate Inc.
407 Logan Blvd. Lakemont
Altoona, PA 16602
814-946-1215
Independently Owned

new pennsylvania realty, inc.

717-386-5000 (Schuylkill Office)

BERKS COUNTY

144 Acre Crop Farm, Approximately 130 Tillable, Fleetwood Area - Under $1500 Per Acre!

Call
CARL JOHNSON
Farm Agent
215-367-6160

P.S. - I Need A Few Good Dairy Farms In Berks, Lebanon & Nearby Counties!

CENTRAL PENNA. FARMS

CUMBERLAND COUNTY

172 acre limestone dairy, 250 cow free stalls w/double 6 parlor, modern rancher. Call Mr Niesley

25 acre dairy farmette, new 2 story brick house, 50 comfort stalls, 2 silos, new implement shed. Call Mr. Niesley

JUNIATA COUNTY

100 acre grain farm (73 tillable, 27 timber). Nice stream, secluded, no bldgs. Call Mr. Benner

42 acre general, 2 story log home, barn and other bldgs. Excellent turkey and deer hunting. Near state game lands. Call Mr. Benner

5½ acres wooded, ½ hard, ½ X-mas trees. (Reduced). Call Mr. Bitting.

PERRY COUNTY

70 acre general - 2 story frame house, bank barn and other buildings. Call Mr. Bitting

JOHN B. NIESLEY REAL ESTATE

32 West High Street
Carlisle, Pennsylvania 17013
717-249-8787

RICHARD B. CRAWFORD - 717-734-3673
CLAIR R. BENNER - 717-444-2162
EARL I. STERN - 717-748-7376
GREGG R. BITTING - 717-789-3368 or 789-4513
STEVE E. ORRIS - 717-789-3368 or 789-4177
CHARLES D. SMITH - 717-789-3125

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HARRY HOPKINS COMPANY
HARFORD COUNTY MARYLAND

Fair Hill - 150 acre horse and grain farm, four bedroom brick colonial home, cottage, horse barn, post and rail fence, stream, call for details.

Churchville - 10 acres, 9 stall barn, pond, post and rail paddocks, 3 bedroom remodeled home, $139,000.

Prospect - 76 acres, horse barn, bank barn, 4 bedroom two story older home, streams, $170,000.

P.O. Box 98
Churchville, Maryland 21028
301-734-6233

WIMPLE REALTORS...
STATEWIDE FARMS
EAST/CENTRAL NEW YORK

WE'VE BEEN WAITING TO LIST THIS ONE"... attractive, well-kept gentleman's farmstead has 139 acres with 120 tillable and lots in alfalfa. Very good hip-roof barn has 45 stanchions, 16x50 silo w/unloader, cleaner, 625 gallon tank in new milkhouse. 30x80 machine shed, 25x60 shop. Gracious 4 bedroom colonial has new bulit in kitchen, aluminum siding. INCLUDES: 42 Holstein milkers, 3 tractors, (one w/cab), full line of machinery. One you'll be proud of JUST LISTED! $225,000 COMPLETE OR $150,000 BARE. TERMS. CALL WIMPLE'S SLOANSVILLE OFFICE: 518-875-6355.

SOUTH CENTRAL NEW YORK

STOCKED DAIRY NEAR SMALL CITY: 296 acres with 125 tillable. Gently rolling. Barn has 50 stalls on 2" pipeline, 4 large silos, 3 unloaders, cleaner. All buildings freshly painted. Good 10 room home, wood/oil heat. INCLUDES: 40 Holsteins with 35 milking for $180,000 with owner terms. Equipment available. CALL WIMPLE'S SLOANSVILLE OFFICE: 518-875-6355

ST. LAWRENCE VALLEY

COMPLETE STARTER FARM: 244 acres, 140 tillable, good corn soils, stream thru. Barn has 35 milking stalls, dump station, new milkhouse & grain bin. Country Gothic-style home with 4 bedrooms, new combination furnace & 150 amp service. Cattle, tractors, (one newer 55 horse) equipment included for $115,000.

HIGH-EFFICIENCY 1-MAN FREE STALL: 241 acres, 200+ tillable, high state of cultivation. 100 stall barn has new Delaval QTO parlor w/hydraulic doors & gates. 20x60 unloading silo. Excellent 8 room home. $210,000 terms. CALL WIMPLE'S GOUVERNEUR OFFICE: 315-287-4163.

WELL-OVER 325 NYS DAIRY ARMS. HUGE FREE CATALOGUES. WIMPLE REALTORS, SLOANSVILLE N.Y. 518-875-6355

FOR SALE

140 + Dairy Farm and Meat Market in Northampton County. Dairy buildings consist of 12 cow Herring Bone milking parlor with 2-1,000 gal. milk tanks, complete milk processing plant for jug milk with full line grocery and meat market store, also, a federal inspected slaughter house with all equipment plus portable smokehouse, 5 Harvestore Silos with automatic feeding system.

150 cow + free stall barn and all other equipment buildings 5 living quarters — Colonial style main farm house with modern kitchen, oil heat plus 2 bathrooms, 2 apartments atop 3 car garage and workshop, 1 small house and trailer.

For information call 215-262-5976 between 9 a.m. - 6 p.m. No calls Sundays

COUNTRY PROPERTIES
G.D. Hannum, Realtor

102+ ac - house, bank barn 65'x82' with slate roof and silo, stream, 3875' road frontage, private location between Oxford and Quarryville, Pa., 3 ac wooded, good farm land. $315,000.

47 + ac - 3BR house, good farmland within ½ mile of US#1 at Jennersville, considerable road frontage. $240,000.

20+ ac - 3BR house, spring-fed pond, detached 3-car garage. Repairs needed. Owner financing possible to qualified buyer $129,000

10+ ac - 200 yr. old stone farmhouse, barn, pond, excellent location. Unionville School Dist $127,000.

Income Producing Property - 7700 sq. ft. brick building containing store plus 4 apts Reduced to $175,000.

Contact: Hale Truitt
215-347-2065 OR
215-869-9310

RIVER FARM ** BRADFORD CO.

260 acre dairy and produce farm. 180 acres tillable nearly 1 mile river front, farm market, fruit and veg. storage cellar, main busy highway. All good buildings with 10 room farm home, big dairy barn and sheds, 2 mobile homes. 48 cow dairy and full line of good equipment for $565,000.00. Financing of $200,000 by sellers. Real potential for the further development of retail market sales or any business at this desirable location.

UNITED FARM AGENCY OF PA. INC.
R.D. 1 Towanda, Pa. 18848
Tel. 717-265-5924

4 NEW LISTINGS IN LANCASTER COUNTY

53 acres of highly cultivated Chester Silt Loam Soils in Conestoga Township. Priced for quick sale at $2,500.00 per acre.

63 acre Beef/General farm of Chester Silt Loam Soils, free housing for 50 head, 20x65 concrete stave silo, 6 car garage and 2 implement sheds. 2 story brick and frame 5 bedroom dwelling included. $315,000.00.

72 acre Modern Amish Dairy with 32 comfort stalls, 2 concrete silos, housing for 13 horses, implement shed, and 5 bedroom dwelling. Private mortgage available. $288,000.00.

50 acre general farm with 80x40 pole barn, 120x34 implement shed, 32x40 work shop and 4 bedroom frame dwelling. $130,000.00.

Century 21®

EMORY D. WAGNER CO., REALTORS
215 W. Fourth Street
Quarryville, Pennsylvania 17566
(717) 786-2131

Dairy Farm

320 acre dairy farm with jugging operation, nicely located in N.E. U.S.A. Everything goes. Lock, stock and barrel. For confidential info. call Mr. Long, Stimmel-Graul Realtors, P.O. Box 1883, Allentown, PA 18105

215-434-4878

NEW FREE UNITED FARM CATALOG - Fall-Winter issue Many properties OWNER FINANCED from 9% annual percentage rate. Call now!

READY TO OPERATE DAIRY. 300-acre N Y farm comes with 45 Holstein cows, 15 head young stock, 2 tractors, good line of hay and crop machinery included 175 acres tillable Excellent 38x100 dairy barn, 75 stanchions, silo with unloader Good 8-room farmhouse. On paved road Action priced at $250,000

HIGHLY-EFFICIENT DAIRY. 260-acre N Y farm comes with 52 Holstein milk cows, 42 head young stock, 3 diesel tractors, long list of machinery included Barn has 52 large tie stalls, heifer barn, 20x35 & 20x60 Harvestore silos, 16x50 silo, newer double-4 DeLaval milking parlor Main 5 bedroom 2-bath home, 7-room tenant house, guest house PRIVATE gas well provides gas for 3 houses & barn. 110 acres tillable, 80 in alfalfa & mixed hay, 5 ponds Sure to please the serious farmer at $420,000

UNITED FARM AGENCY, INC, 612-RLF, Kansas City, Mo 64112 Ph Toll-Free 1-800-821-2599

Longacre

BERKS COUNTY

97 acre dairy farm, level limestone soil, 50 cow stall barn w/pipeline bulk tank, features lovely 2½ story brick home w/modern kitchen, living room, 3 bedrooms & bath 6 bedrooms second floor. Group heifer facilities 20x60 concrete silo. 17x45 silo w/unloader, large 3 car garage, 80x30 machinery shed, & corn crib, pasture w/stream, lovely setting, operating farm. $350,000.

87 acre general farm w/2½ story stone double house, 6 bedroom, 2 kitchen, 2 living room, 2 baths, large barn, garage, out buildings. Call for details. $150,000 #363.

MONTGOMERY COUNTY

55 acre general farm featuring lovely log & stone home w/modern kitchen, center stairs, 5 rooms with livingroom fireplace, 5 bedrooms & bath, 2 car garage, bank barn, 2 machine sheds, corn crib, silo & much more. A very lovely setting, **$385,000 Reduced to $300,000.**

SNYDER COUNTY

65 Acre general farm w/88x45 barn w/block addition. Large 90x36 implement shed, lg. combination corn crib & shed Lovely 2½ story home w/kitchen, dinning room, living room 3 bedrooms & bath. Completely remodeled $125,000 #344.

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

PAUL M. LONGACRE
Rt. 100 Hereford, PA 18056
Ph: 215-679-5919

BRADFORD COUNTY

New

225 acre 147 T dairy farm w/new 42 stall dairy farm barn 800 gal tank, 2" pipeline, barn cleaner, 6 concrete silos w/unloader & feed mixers, good 2½ story colonial house w/10 rooms and 2 baths and outbuildings $225,000

SUSQUEHANNA COUNTY

New

275 acre dairy farm w/lovely split level home, lr, dr, frm, laundry, 4 bedrm, 1½ baths, 112 stall barn w/pipeline milking system, heifer barn, machinery shed, completely remodeled 2 story tenant house, dr, kitchen, frm, lr, 3 bedrooms, 1½ baths Also 200 head of cattle, & full line of machinery $600,000 SOLD

437 acre dairy farm, 50 stall barn with pipeline, bulk tank, barn cleaner & 18x50, 14x50 & 12x40 silos Heifer barn & machinery shed, shop & garage. Lovely stone & frame Colonial home with modern kitchen, 8 rooms & 2 baths Also new second home with 5 rooms & bath. Call for details $325,000.

BUCKS COUNTY

100 acres of level Tinicum Bucks County soil, 95T, features lovely 2 story double home w/11 rooms & 2 baths 2 story bank barn w/50 stalls 1 mi road frontage A good operating dairy farm. $360,000.

145 Acre jug milk farm superb facilities, lg. store & sales area, 3500 gal milk holding capacity, modern processing facility including ice cream making, 185 cow free stall, 5 lg. silos, lg heifer facility, 2 double houses & 1 single home, shop, storage sheds, outbuildings, 200 cows, 250 heifers, full line of machinery additional rental acreage available Call for details $1,5000,000

171 Acre jug milk farm w/good sales store, double 6 low line parlor, 120 free stalls, 3000 gallon milk holding capacity, 20x80 & 30x60 silos, 100' & 70' bunk feeders large 6 bedroom home, completely modern, lovely 2 bedroom ranch Also full line of cattle & machinery available Call for details. $650,000 A 358

100 acre general farm w/large brick 5 bedroom home, 1½ baths, in good cond, large 2 story bank barn, 20x60 concrete silo w/unloader & lots of frontage (adjoins 171 acre farm) $348,000

MONTOUR COUNTY

NEW

53 acre general farm 30T features lovely 2½ story home w/9 rms and baths New 16x32 in ground pool, bank barn, sheep pens, corn crib & chicken house #366 $105,000

COLUMBIA COUNTY

180 acre dairy farm, 118 tillable, 36 stalls, bulk tank, several sheds & second small barn, corn crib, 2 silos & grain storage bins Lovely 2 story farm house with 9 rooms & 1½ baths, remodeled Slightly rolling & level good ground $225,000, make an offer, reduced $175,000 #310

187 acre dairy farm, 170 T, pasture w/stream, 2 solid and lovely farm houses, 130 free stall barn, 70' bunk feeder, harvestore and concrete silos w/unloaders, 2 large trench silos, large machinery shed, 2 large heifer sheds and much more $530,000

NEW JERSEY

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188 acres, 150 tillable, 33 acres pasture Hagerstown and Sandy loam soil, double six Boumatic *parlor, 6 units with auto. take offs, 101 free stall* barn, 100' bunk feeder, 1000 gal. Mueller milk tank, 2 calf barns, 1 new and one old, 14 calf *hutches, 96x48 barn with calf and maternity pens,* 2 manure pits and lagoon. 20'x42' Harvestore silo w/grain auger unloader, 20'x60' concrete Stave silo w/Patz unloader, 20'x65' concrete Stave silo w/Patz unloader, 14'x40' concrete Stave silo w/Patz unloader, 12'x30' concrete Stave silo w/35' auger bunk feeder, 96'x48' second barn w/15'x80' trench silo inside, Good milk market. Assumable mortgage available. 2½ story frame dwelling w/7 bedrooms, 2 baths, 2 fireplaces, coal and wood furnace.

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Dauphin Co., good producing general farm, consisting of 93 acres, 80 tillable acres, buildings located in the middle of farm, frame house and barn, w/3 car garage. Lots of road frontage, priced *to sell at $155,000.*

Snyder Co. 100 acre steer and hog farm, 18 x 65 silo w/unloader, grain dryer and storage , for 35,000 bushel, 4 bedrm. house overlooking meadow and stream. Priced at $169,000.

General Farms

York Co., stone farm house, good cond., 135 acres, 120 good tillable acres, priced at $324,900. Loads of road frontage.

Cumberland Co.* working dairy farm, in the Newville area. 27 tie stalls, great set-up for a family farm. 85 tillable acres, 126 total acres. Large implement *shed, pond, priced to sell at $198,000.

Starter dairy farm in a fertile valley, near Mennonite schools and churches, 2 unit home, great beginning farm, Snyder-Juniata Co. area, $84,900

Montgomery Co. dairy farm - stone home, 5,000' road frontage, sewer, price $250,000.

Produce farm off of Route 11 and 15. Brick home, large bank barn, pond & lovely setting. 100 acres, *Juniata Co., price reduced to $130,000.*

York Co. farm, 51 acres, 38 tillable, *pond, stream,* nice setting, frame home. Price $145,500.

Good Sell in York Co. 173 acres, 70 tillable, no buildings. Priced to sell at $175,000.

***Farmette Snyder Co. 10 acres, w/frame home, plus* barn, priced to sell at only $45,000**

Danville area, 108 acres of land, 70 tillable, frame home, good soil, owner says sell, priced at only $97,000. Would make a terrific Christmas tree farm.

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YORK COUNTY
12 acre farmette with modern steel barn and modern ranch home. An excellent buy and ready *for you to be a gentleman farmer in the Dover area.* A great place to retire!

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FARMS & LAND

F1-235 Mini farm, 16 acres, mostly tillable, in Union Co. 1½ story house w/fireplace. Bank barn & more. Only $65,000.

F1-2-29 4½ acre poultry farm in Snyder Co. 2 story house, 3 story poultry house which includes fans, waterers, chain feeders, aux. power unit, exc. $110,000.

R1-2-119 From hummingbirds to Canada geese Enjoy them daily on this 56 acre bird paradise includes 25 acre lake. Close to town. Lovely brick ranch home. Great retirement place. Only $92,500

L1-2-38 60 acres mountain land in Southern Montour Co $27,000.

F1-2-34 Snyder County Amish farm. 126 acres Over 80 acres tillable 20 acres permanent pasture $115,000.

F1-2-31 Dairy farm w/cows and machinery in Union County. 140 acres w/over 100 acres of excellent tillable soils. All for only $324,000. Or buy farm only. Some owner financing.

F1-2-28 10 acre turkey farm Modern Over 76,000 square feet of floor space Dirt floors. 45 KW auxilliary power included. Union County $390,000

F1-2-23 Dairy farm in Union Co. Good producing farm with 3 silos and unloaders. 102 free stall barn, bank barn, etc. 1000 gal bulk tank, pipeline milking system, 75 acres approx. 65 acres tillable, class II and III soils $199,000

F1-2-25 Union Co. 50 acre general farm Limestone Twp. near White Springs 35 acre tillable. Excellent producer $100,000 Road frontage near Selinsgrove on U.S. Rt. 522. With or without buildings Excellent business location. High traffic area

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PERRY CO.

145 A Dairy Farm near Ickesburg 66 Tie Stalls, DeLaval pipeline milker, 1000 gal. bulk tank, 2-20 x 60 Silo W/unloaders 1-20 x 38 Harvestore Silo 50 x 100 Loafing Barn W/Bunk feeder Implement Shed & Heifer Barn Little Buffalo Creek runs thru pasture modern 4 B R dwelling.

57 acres, lots of road frontage, 5 miles west of Loysville, 35 acres tillable, 18 acres wooded, 4 acres pasture, large bank barn, no dwelling, owner financing to qualified buyer.

BERKS COUNTY

60 A General farm near Yello House 35 A tillable, bal. pasture with pond and stream. Modern 4 B.R. stone dwelling, large bank barn, corn crib.

Zoned residential commercial and agricultural, near Stouchburg, 33 acres tillable 5 acres pastures large bank barn, tobacco shed, corn barn poultry house, modern 4 bedroom dwelling many possibilities.

34 acres 16 acres tillable no buildings, north of Womelsdorf.

LANCASTER COUNTY

6 acreas all tillably many possibilities, near Ephrata.

40 Acre Farm near Reamstown Approx. 20 acres tillable, stream in meadow modern 3 B.R. dwelling, large frame bank barn, 3 car heated garage w/shop area bldgs., less then 20 years old.

13 A. Farmette N. of Ephrata mostly tillable some wooded road frontage. Modern 5 B.R. dwelling, large bank barn, spring house, 30 x 44 metal storage bldg. don't miss this one.

UNION CO.

110 acre limestone general farm near Lewisburg, PA. Large bank barn, was dairy, needs some remodeling for dairy. Meadow w/stream, 2 silos, garage, etc., modern 3 bedrm dwelling, call at once for confidential showing.

LEBANON COUNTY

146 acre general farm, near Fredricksburg. 106 acres tillable, large bank barn, implement shed, poultry house & garage. Meadow w/stream, some woodland, 3 bedroom dwelling.

JUNIATA COUNTY

78 A. General farm near Richfield 44 A. tillable bal. wooded and pasture. Modern 2½ story, 3 BR dwelling Large bank barn, chicken house, hog sty etc.

CLINTON COUNTY

32 acre tract and 15 acre tract, near Carroll, totally wooded, adjoints State Forest Land, excellent hunting area.

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NEW LISTING - SCHUYLKILL CO.
50 Acre General Farm. Land mostly level to gentle slope. Large spring fed pond. Large 2 story bank barn. 2½ story 5 bedrm. dwelling. Call for details.

YORK CO.
135 acre farm along Rt. 425, east of New Bridgeville, Chanceford Twp., York Co., Pa. Approx. 90 acres tillable w/remainder in woodland. Buildings need work. Owner financing available.

LEBANON CO.
103 acre hog & beef farm. 2½ story frame house, full basement, hot water heat. Large bank barn w/room for 80 head of cattle. Also, farm equipped to handle approx. 600 hogs. 16x72 silo, equip. shed, etc. Priced to sell.

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New Listings

Dauphin County

93 acre general farm, 8 mi. east of Rt. 225. 80 acres tillable Leck Kill soil, 2 sty. frame house and bank barn and silo, lg. garage and machinery shed. $155,000.

York County

173 acres, 70 tillable acres, 103 acres woodland, $160,000.

Bedford County

130 tie stalls in new barn, plus 73 stalls in old barn - double six parlor - two 25x80 Harvestores, one 20x70. Beautiful house with pool. Total of 286 acres limestone soil, priced right with financing available. Also included in this sale is a 2nd set of farm buildings - Large brick farmhouse (remodeled) and huge obsolete dairy barn.

Lancaster County

Modern 46 cow dairy with everything needed for a successful operation. 20x76 - 12x55 - 10x50 SOLD - 800 gallon bulk tank - heifer barn - tobacco shed - corn barn. 2 story frame house. All on 66 acres of limestone soil. Highly motivated seller.

300 beef and 50,000 broiler setup. A real nice one man operation. Contracts available on beef and broilers.

LANCASTER COUNTY

90 acre dairy farm, 60 cows plus, pipeline milker, 1,000 gallon bulk tank, large feed bunk with taperboard feeder, 2 Harvestores 20' x 32' and 20' x 70', large machinery shed, 2 concrete silos 20' x 60' and 14' x 50', 18 acre tobacco shed. Never failing spring flows to buildings. 4 bedroom house. 100 acres available to rent. Cattle and equipment also for sale.

Bradford County

192 acre dairy farm w/62 stanchions. 2 story house in good condition.

Huntingdon County

97 acre general farm with huge bank barn, corn barn and silo. Also has brick farmhouse and large frame tenant house. River bottom soil - "45 bushel soybeans." All for only $115,000.

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BEDFORD COUNTY

GAME FARM & FISH HATCHERY -368 acre property - 200 acres fenced for private or commercial big game hunting preserve. Warm water fish hatchery, 30 spring fed ponds, 10 acre lake, lodge, trout stream, 40 campsites, road frontage

BLAIR COUNTY

GENERAL FARM - 131 acres (106 productive tillable, 25 woodland, pasture), near Williamsburg. Solid 2-story frame house and bank barn ideally suited for livestock. Buildings are centrally located on land. Reduced to $149,500

CENTRE COUNTY

GENERAL FARM - 123 acres (45 tillable, 32 pasture, 44 woodland) Excellent water supply. 2-story frame house, mostly remodeled, 30'x60' high clearance pole building. Yarnell area. $119,500

DAIRY FARM, 136 acres, (113 tillable, balance pasture,) sound 2 story dwelling, excellent dairy facilities, including modern 1 story dairy barn w/52 tie stalls and attached free stall heifer barn w/40 stalls, 3 concrete stave silos w/unloaders and 2 story bank barn in addition Pond. $299,000

TWO LISTINGS - 2 MILES EAST OF REBERSBURG

10 ACRE FARMETTE - frontage on Rt 192 Sound 2 story house, new 30' x 60' 2 story barn & garage. Nice laying land Suitable for a limited acreage dairy operation with the adjacent barn listed below $52,500 45 acres of woodland and 36 acres of tillable land also available.

2 STORY BANK BARN, 41' x 90' with a 40' x 45' attachment The barn has 27 tie stalls & an attached milkhouse. 2 silos, 12' x 50' & 10' x 35', 2 implement sheds. 2 acres of land included Small additional acreage available $35,000 Adjacent to the farmette above.

GENERAL FARM - 105 Acre (92 highly productive tillable 15 pasture and woodland). Very good house, barn, garage, stream. Nittany Valley near Hublersburg. Reduced to $169,500 Also available as 93 acres (92 tillable) without buildings $117,500. Owner Financing.

GENERAL FARM - 215 acres in Curtin Township near Romola, adjacent to Sproul State Forest. Picturesque with tillable and wooded acreage, 2-story house, 2-car garage, very good condition. Stream provides water for house and pond. Excellent investment, ideal for horses or recreation $150,000. Owner financing

GENERAL OR HOG FARM - Near Spring Mills, 75 acres (30 tillable, 12 pasture and 33 woodland) 2-story frame house, 40'x70' bank barn with 29'x39' attachment, 2 corn cribs. Barn equipped for farrowing and finishing hogs Small stream. Approximately 18 miles from State College. $92,500

CLINTON COUNTY

GENERAL FARM 183 acres near Loganton. (83 productive tillable, 9 pasture, 89 woodland.) Very good 2 story frame house, large bank barn, garage, hog pen Small stream, well & 2 springs Joins state forest land. $172,500, owner financing.

GENERAL FARM - 65 acres (57 highly productive tillable bottom ground, 13 pasture) 2-story house in fair condition Frontage on Susquehanna River Owner Financing. $100,000.

COLUMBIA COUNTY

HOG AND BEEF FARM - 233 acres (130 productive tillable, 19 pasture, 79 woodland). Excellent house, good barn adapted for farrowing and finishing hogs, outbuildings, nice setting. 10% owner financing $275,000

HUNTINGDON COUNTY

LIVESTOCK FARM - 419 acres (approx. 220 tillable, 140 pasture, 59 woodland). Buildings include a brick home, 2 barns, garage, 2 silos, 2 large euipment sheds. 3 ponds are situated near the buildings. $345,000 Owner Financing

DAIRY FARM - 80 acres (65 tillable, 13 pasture), pond, 2-story frame house, bank barn with 38 tie stalls, milk house with 600 gallon tank, 16' x 50' silo with unloader, 60' feed bunk with bunk feeder. Near Shirleysburg. Owner financing $110,000.

DAIRY FARM - 330 acres, (175 productive Hagerstown tillable, 125 pasture, 30 woodland). 3 dwellings, large bank barn with 36 tie stalls & pipeline milker, 2 concrete stave silos with unloaders & miscellaneous outbuildings Dairy facilities are less than 2 yrs. old Spring water $275,000 Owner Financing

GENERAL FARM, 185 acres, (95 tillable, 24 pasture, 62 woodland) 2 story log constructed dwelling with frame attachment, bank barn, implement shed, outbuildings, 2 ponds, stream. $148,000.

GENERAL FARM 218 acres, (80 clear land, balance wooded) Petersburg, refinished 2½ story house, 2 story bank barn, garage and outbuildings Several springs, $164,500.

LYCOMING COUNTY

LIVESTOCK OR DAIRY FARM - Near Lairdsville 270 acres (165 level, very highly productive tillable). Good 2 story house, bank barn, 60 x 120' cattle barn, suitable for freestalls, 20 x 60' Harvestore, 2 streams. Owner financing $325,000.

MIFFLIN COUNTY

GENERAL FARM - 75 acres (63 tillable) balance pasture and woodland A very nice 2-story house in a picturesque setting. Includes bank barn suitable for livestock or horses $115,000.

DAIRY FARM - 90 acres, (75 tillable, 9 pasture, 6 woodland). 2- story frame and stone house, bank barn with 18 tie stalls, milk house, 14x60' silo, small stream Near McVeytown Good road frontage. $148,500.

DAIRY FARM - 91 acres, (60 tillable, 3 pasture, 28 woodland). Frame house, tenant house, milking barn with 32 tie stalls, freestall barn with 60 free stalls, 20'x60' & 16'x60' silos, implement shed and shop. Near McVeytown. $200,000.

NORTHUMBERLAND COUNTY

GENERAL OR LIVESTOCK FARM - 105 acres (100 highly productive tillable. 3 pasture), excellent road frontage. 2-story house, barn & outbuildings $185,000, owner financing.

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Farmland preservation sparks ag business seminar

By Joyce Bupp
Staff Correspondent

YORK — In the last ten years, York County has lost 820 farms, a decline of 25 percent. At the same time, the 60,000 farms across Pennsylvania diminished by 12,000.

Still, food supplies have remained constant, Cumberland County Commissioner Rosemarie C. Peiffer told an audience of more than one hundred attending the annual York Agri-Business seminar, hosted Jan. 20 at Avalong Farms restaurant by the York Chamber of Commerce and the Extension service. Theme for the day-long session was agricultural land preservation.

An "ex-farm girl," Commissioner Peiffer related why elected officials must be concerned with the continuing loss of farmland.

"Current farmland preservation legislation still hasn't changed or halted the loss of farmland," she warned. With land development slowed by economic conditions, and farm incomes remaining stagnant, Peiffer suggested that this is a critical period for taking action to preserve remaining prime farm ground.

Setting ag land aside in an "industrial district", with appropriate zoning, is the preservation technique adopted by Millcreek Township in Lebanon County. David Schreffler, a member of Millcreek's planning and zoning board, outlined that municipality's unusual approach to saving prime farm ground.

A York Agri-Business seminar panel of farmland preservationists puzzled over a recent report by the president's commission on housing that suggested saving farmland could create future housing shortages. Clockwise from bottom left are Amos Funk, Bill Conn, Leon Lankford and Gilbert Malone.

A panel representing various interests in ag land preservation shared views and experience, and speculated on the future of preserving productive farm ground. Panelists were Amos Funk, farmer and chairman of Lancaster County's Agricultural Preservation Committee; attorney Gilbert Malone; Dover Township manager Leon Lankford; and William Conn, chief of land use and development controls for the York County Planning Commission.

Funk, a recognized leader in agriculture land preservation, admitted that his ideas have changed with his involvement over the past 13 years. Today, said Funk, his earlier goals to have ag land saved through agricultural districts, and then later through the purchase of development rights, no longer seem viable.

"I just don't think it's possible to save great amounts of land by the purchase of development rights," claimed the Lancaster vegetable producer and retail marketer.

Funk's altered opinions on development-right purchases is due to the huge volumes of money needed to buy up such rights on any great quantity of land.

Neighboring Maryland is the only state committed to large-scale development-right purchases. And, at the current rate of their funding, paying $1,000 per acre for those rights, Funk said it would take 200 years to buy up the estimated 1.5 million acres of prime Maryland farmland, or a century if the purchase rate could somehow be doubled.

Instead, he said he now leans more toward the "Millcreek Township" concept, taken by that rural Lebanon County municipality, where agriculture is treated as an industry and productive grounds set aside in an industrial district.

Attorney Gilbert Malone has worked for many years with developing farmland preservation regulations in several southern York County townships. He expressed his chief concern, not solely for preserving productive soils, but for preserving it in viable-sized tracts.

He cited what he sees as three

(Turn to Page C3)

Cumberland County commissioner Rosemarie C. Pieffer told York Agri-Business seminar participants that state legislation has had little effect toward changing or halting the loss of prime farmland.

A featured York Agri-Business seminar speaker was Dr. Samuel Smith, dean of Penn State's college of agriculture. Dr. Smith was welcomed to the annual confab by co-chairman Bill Fleet.

Are ag areas for you?

YORK — Interested in preserving your back forty from the encroachments of housing developers and the ensuring noise-pollution-odor neighborhood problems that could follow?

Consider establishing a voluntary "Ag Area," suggests Richard Fox, Capital region Extension agent for community development. Fox outlined the legislation and procedural steps during York's Agri-Business seminar.

Act 43, the Agricultural Area Security Law, provides the enabling legislation allowing farmowners to voluntarily establish Ag Areas, if approved, within their municipality.

Benefits of ag area enrollment include a limit on local regulations, lowered chances of land-taking by eminent domain, and possible modifications of certain rules by state agencies. Optional development-right purchases could possibly be offered for acreages included in ag areas in the future, if such a program was established and funded.

Landowners representing the minimum 500 acre-size must voluntarily make the ag area proposal to their local governing municipality, using proposal forms available from the state Department of Agriculture.

Land to be considered for enrollment must be used for the production of crops, livestock or livestock products. The total 500 or more acres do not have to be adjacent, and could likely even cross municipal boundaries, if all local governments involved granted approval.

A published notice of the proposal allows 30 days for public comment on the ag area application, during which time other landowners may request inclusion in the set-aside area.

Local municipalities then have 45 days in which to review the voluntary proposal, which must be studied by both the planning and zoning board, and an ag area advisory committee drawn from municipal residents. Included on that committee are to be three farmers, one interested citizen and one local official.

Taken into consideration during review of the proposal are such factors as types of soil, climate, topography, farm improvements within the area and predicted trends in agriculture. Visuals available for additional information are Soil Conservation Service soil maps, ag census statistics, and land use surveys.

A public hearing follows the review, to allow additional public comment on the proposal. Within 180 days from the initial application for an ag area, action must be taken by the municipality to either grant or deny the farmland preserve.

Appeals on the final decision must be made to the county's common pleas court within 30 days of the municipality's action.

For additional information, or for copies fo the ag area proposal form, contact the Pennsylvania Department of Agriculture, Office of Planning & Research, 2301 North Cameron Street, Harrisburg, PA 17110. — J.B.

York ag business

(Continued from Page C2)

key threats to agriculture productivity: the continuation of the traditional tract development, nuisance threats and suits against farmers brought by development neighbors, and the proliferation of what Malone dubbed "ranchettes."

Frequently, "ranchettes," or relatively small acreages of land surrounding one-family dwelling units, often go totally out of agriculture production, said the Delta-native attorney. If rented out to area croppers, they create problems with short rows and the maneuvering of large equipment, he said.

Malone stated the intent of both legislative and judicial branches of the government leaning toward saving farmland. However, decisions by the judicial branch on cases brought against regulations on farmland development have been vague in spelling out proper, constitutional method for accomplishing that end, he said.

Leon Lankford, manager for rapidly-growing Dover Township, echoed the view that legislation to date has not encouraged municipalities to support farmland preservation.

According to the township manager, saving farmland actually cuts down on municipal costs in the long run, and that the initial cost of buying up development rights, perhaps through a bond issue, would be cheaper than long-term expenses of sewer, water, fire police protection and other services to developed areas.

While zoning is an accepted fact in some municipalities, county planner Bill Conn noted that 55 of the county's municipalities including five townships, have no zoning regulations.

Key address for the afternoon session was by Samuel Smith, dean of Penn State's college of agriculture, who praised the York community for pulling together toward solving the agland preservation problem.

He related a 1920s prediction by the New York Times that, by the turn of the century, the United States would be in a food supply problem with 200 million people and a need to import half of the nation's food supplies.

Instead, said Smith, that population mark was reached back in the '60s and the America still remains the "Saudi Arabia of food" for the world. Exports from the U.S. now supply 55 percent of the global food exports, compared to the mid-East's 32-percent share of the oil market.

The college dean warned that such abundances could cause critical production land to be lost during current crop excesses, eventually, leading to food shortages.

Comparing the introduction of computers to the farm industry as akin to the introduction of tractors, Smith noted that the University goals and phiosophy are changing to meet the computerized age of agriculture. Penn State has been selected as a regional computer site for the 11 northeastern states, and a computer system tied to each county could become reality by 1985.

Research continues to be a vital role played by land grant schools, and more than 300 active ag research projects are underway at Penn State. At least half deal with crop production efficiency, while future studies are expected to delve into more efficient marketing systems and new and improved agriculture products.

Other speakers during the seminar included David W. Schreffler, representing the Millcreek Township planning and zoning commission, and Capital region Extension community development agent Richard Fox.

"Industrial districts" save ag land

YORK — York Agri-business seminar participants listened with rapt attention, followed by numerous questions, to the explanation of a Lebanon County township's unique approach to saving prime farmland.

Planning and zoning board member David Schreffler outlined Millcreek Township's studies that resulted in setting aside agriculture land in an "industrial district."

Millcreek Township, a rural corner of Lebanon County blessed with highly productive soils, covers, 8,500 acres, with two-thirds of the land devoted to agriculture production. Background studies showed the greater part of the township residents as employed in agriculture, with a large portion of the food supply locally produced.

Officials wanted a township ag-preservation program that would "stick," and not dot the countryside with single-family dwelling variances. While farmland in general generates lower tax income, less services are demanded of a municipality by farms, and dollars are saved in the long run.

After studying ordinances of surrounding municipalities, and calling in farmer residents to assist with studies and make suggestions, agriculture was deemed to be a "specialized industry." Like other industries, it creates "noise, dust and hazardous materials," according to Schreffler, and also requires good-sized parcels of land in which to operate.

Industrial districts traditionally prohibit the building of private dwellings within the designated zone. Millcreek Township's agriulture "industrial district" permits a farm to maintain three dwellings, geared toward housing for a parent, child, and a hired employee.

Agriculture production building additions and replacements are permitted, although farms that are on the zone border may be required to set a particular structure back from the line a certain distance, to avoid potential nuisance complaints.

Schreffler said that, in the six years since the "industrial" designation took effect, young farmers have been the most enthusiastic supporters of the concept. Older farmers, while voicing more pooisition, have come to appreciate the eased restriction of operations. Most vocal opposers of the program were farmers of retirement age looking at the potential sale of their farms. — J.B.

Helms talks trade with Japan's prime minister

WASHINGTON, D.C. — Senator Jesse Helms met with Japan's newly-elected prime minister, Yasuhiro Nakasone, to discuss matters of agricultural trade between the two countries last Wednesday. Helms, chairman of the Senate Agriculture Committee, reiterated the concerns he expressed in a recent letter to Nakasone over the restricted access the Japanese place on agricultural imports.

"The American people, and particularly the American farmers, have reached the point of frustration over the perceived economic protectionism on the part of the Japanese. Our people believe that the Japanese are not playing by the rules of fair play," said Helms.

Helms emphasized his discontent with the tariffs, distribution restrictions and advertising restrictions placed on U.S. cigarettes by the Japanese. Through a complex price formula and import duty, the Japanese require that the retail price of American cigarettes by 50 percent higher than the retail price of Japanese cigarettes. Japanese cigarettes retail at 180 yen per pack, while the price of a pack of American cigarettes is held at 280 yen. As a result of the duty and price formula, the price of U.S. manufactured cigarettes more than doubles from the time it reaches Japanese soil to the time it reaches the Japanese consumer.

Helms also talked to the prime minister about the tariffs and quotas the Japanese place on U.S. beef and citrus imports. These excessive restrictions have limited annual per capita beef consumption in Japan to 11 pounds, compared to over 100 pounds in the United States. Imports of fresh oranges account for less than 3 percent of the oranges available on the Japanese market, while juice imports total only 8 percent of the market.

"Our trading partners must realize that trade is a two-way street," said Helms. "the Japanese government maintains protective tariffs far and above the level necessary, especially for an economy as large and developed as that of Japan's."

"I am satisfied with my meeting with Prime Minister Nakasone. I was encouraged by the tone of his responses. we will have to see what his follow-up will be. He has indicated that he is willing to come to the bargaining table on these trade issues. I look forward to working with him in the future as we attempt to restore equity in our trading relations with Japan."

Chester sponsors hedging workshop

WEST CHESTER — The Chester County Extension Service and Trade Tech Management, Lancaster, are co-sponsoring a workshop entitled "Introduction to Hedging," scheduled for Tuesday, Feb. 8 from 9:30 a.m. to 3 p.m.

According to Farm Management Agent Robert Solomon, the workshop will be held at Perkins Cake 'N Steak located along Route 41, south of Route 1 in Avondale.

Advance registration is requested.

The cost of the workshop is $15 per person, and includes lunch and workshop materials. Checks should be made payable to Chester County Extension Association, and mailed to the office at 235 West Market Street, West Chester, PA 19380.

For more information, contact Soloman by calling 215/696-3500.

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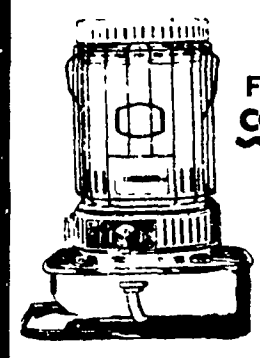

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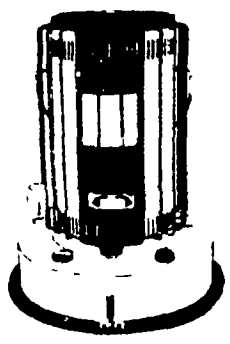

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Farm Talk

Jerry Webb

Soils census - food

A growing concern about the nation's soil erosion is surfacing in many places and in many ways. The latest, a coalition of business organizations and individuals ot form the National Endowment for Soil and Water Conservation.

The group plans to raise a considerable amount of money in support of conservation practices. Three urgent reasons for this effort are listed. First, to save the nation's soil and water resources for future generations. Second, to supplement current government and private programs aimed at reducing resource losses. Third, to spearhead an effort on the part of private citizens toward increased conservation activity.

The endowment intends to provide financial aid for selected soil and water conservation projects, to increase the level of expertise in conservation and public awareness of the need to protect resources, to sponsor research targeted at specific needs, and to identify and activate new conservation programs.

A spokesman for the endowment said it is not intended as a duplicate or substitute for existing programs. It also does not seek to impose a single national approach to conservation. The spokesman said the endowment would use its resources to assist or start projects which encourage development of inexpensive and innovative conservation techniques and to set up demonstration projects designed to meet the needs of specific areas. The coalition also hopes to increase public awareness in the area of soil and water conservation and to support research efforts that fill the gaps between government's long-term spending and the farmers' needs for immediate practical solutions.

Funding for the National Endowment for Soil and Water Conservation will come from private, tax exempt contributions. Initial activities will be aimed at building broad financial support among individuals, organizations and industry. Already, an impressive group of companies and individuals have made contributions. If you want more information or want to contribute, write the National Endowment for Soil & Water Conservation, 400 C Street N.W., Washington, DC 20002.

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Farmers are getting fewer and younger, thus continuing one trend and reversing another. Although farm numbers declined at an average annual rate of only .6 percent between 1974 and 1978, there are still fewer farms than there used to be. But the average age of farmers fell for the first time in decades.

From 1950 to 1974 the average age rose from 48 to nearly 52. In the 1978 census it declined to just above 50. Department of Agriculture economists believe the average age of America's farmers will continue to drop because we are in a period of what the government calls "intergenerational transfer." That means the older generation is passing the farm on to a younger generation. This is happening because many farmers are now entering retirement age.

Another trend picked up in the census figures is an increase in the number of tenant farmers. The economists attribute this to higher land prices that make it more difficult for young farmers to buy in and more difficult for farmers to sell out even if they want to.

Another interesting fact turned up in the survey — the number of incorporated farms nearly doubled between 1974 and 1978, yet they still account for only 2 to 3 percent of all farms. Even then, 90 percent of those corporate farms are family operated. The study shows that nearly half of all farm corporations have sales of less than $100,000 a year.

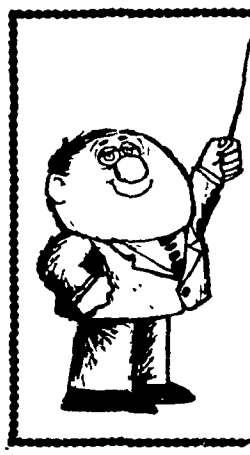
Interestingly, corporate farms are concentrated in a few states: Hawaii, California, Texas, Louisiana and Florida, and only a handful of commodities are represented including fed cattle, sugarcane, poultry, canning crops, and nursery stock.

****

An updated version of the Agriculture Council of America's miniature food globe is now available. This is the third revision of this nice little visual aimed at telling people what it costs for food in several nations around the world.

The categories of comparison on the food globe are the percentages of the populations working in production agriculture and total personal spending that goes toward food, the balance of food and fiber trade and the average number of minutes of work required to earn the price of a pound of pork, a one-pound loaf of bread and a dozen eggs.

Almost 125,000 copies of the food globe have been distributed nationwide. Information about purchasing copies can be obtained by writing to the Agriculture Council of America, Suite 708, 1625 Eye St., N.W., Washington, DC 20006. They sell for $1 each.



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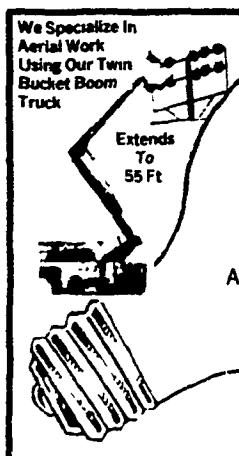

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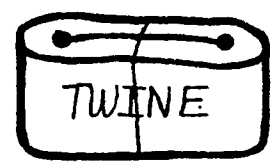

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Vet school moves ahead at U. of Md.

COLLEGE PARK, Md. — President John S. Toll announced last week to the Board of Regents that University of Maryland administrators and the faculty senate have approved most of the final details concerning operation of a College park campus for the Virginia-Maryland Regional College of Veterinary Medicine.

The Regents had given initial approval for Maryland participation in the bi-state academic and research program on May 11, 1979. Classes for undergraduates have been conducted at the school's Blacksburg, Va., campus since September 1980.

Among the immediate changes is redesignation of the veterinary science department at College Park as the Maryland campus of the College of Veterinary Medicine for the regional operation.

Dr. Robert C. Hammond, department chairman at Maryland since 1972, will become associate dean of the college. His counterpart for the Virginia campus at Blacksburg is Dr. Bruce H. Ewald. Both men will report to Dr. Richard B. Talbot, dean. Dr. Ewald and Dr. Talbot are located on the campus of Virginia Polytechnic Institute and State University.

In addition, Dr. Hammond will be directly responsible to the provost for the Division of Agricultural and Life Sciences at the University of Maryland. He will continue close ties with the College of Agriculture, Maryland Agricultural Experiment Station and the statewide Cooperative Extension Service, all headquartered at College Park.

In an era of tight budgets, Dr. Hammond commented that the concept of two states sharing costs makes good economic sense, and it should lead to a veterinary school of better quality than either state could support by itself.

Only one other regional arrangement exists amoung U.S. veterinary colleges. It involves the states of Washington, Idaho and Oregon.

In accordance with the Memorandum of Understanding approved in 1979, all undergraduate students in the regional College of Veterinary Medicine, both from Maryland and Virginia, take their first three years of study at the Blacksburg, Va. campus. Beginning in June, they have the option of completing their fourth and final year either at Blacksburg or College Park.

The final year will be comprised on one-month blocks of instruction to provide flexibility and experiential learning situations in several areas of study.

A major advantage of this arrangement, says Dr. Hammond, is that most of the referral, research, Extension and continuing education services normally available through a state veterinary school would be provided by having a campus located in Maryland.

The regional program also gives Maryland legislators and educators a role in setting educational policy for the veterinary school, thus helping to insure the type and quality of training most suited to the needs of the state's animal industry.

There is a quota for 30 Maryland residents to enter the regional veterinary school each year. The annual admission quota for Virginia residents is 50.

To meet additional needs, the University of Maryland currently maintains contractual arrangements for 10 students each year in three other colleges of veterinary medicine. Five of these spaces are at Ohio State University, and five are divided between Cornell and the University of Pennsylvania.

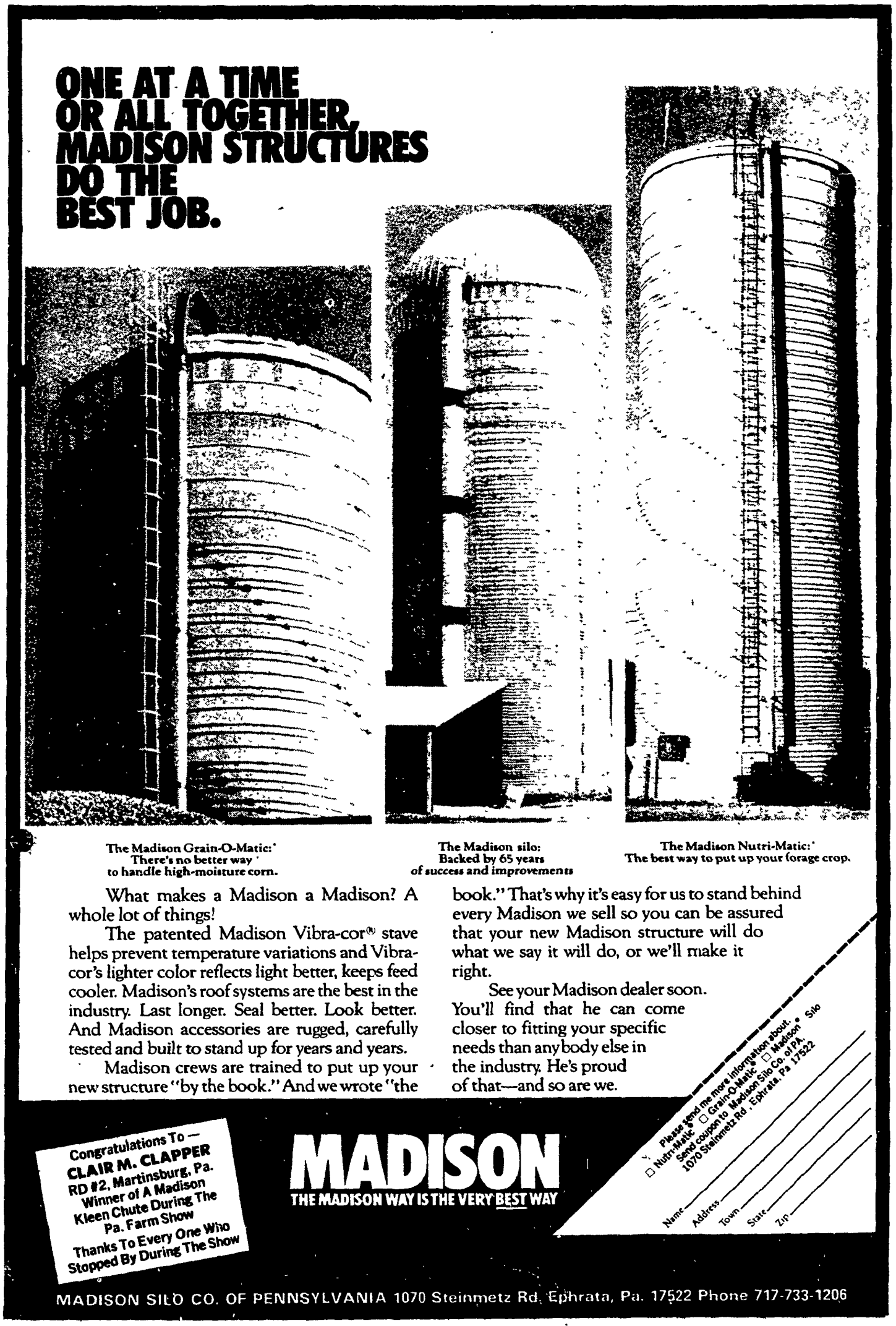
In 1950, Maryland began contractual arrangements for education of its prospective veterinarians, Dr. Hammond reported. The initial contract involved a trade-off for several years with the University of Georgia.

Ten students from Maryland were admitted to veterinary school each year at Georgia in exchange for 10 Georgia residents being admitted annually to the School of Dentistry on the University of Maryland campus at Baltimore.

By 1972, demand for veterinary training was expanding to the point that Maryland made contractual arrangements with several other educational institutions which have veterinary schools. These included Tuskegee Institute, Ohio State, Florida, University of Pennsylvania and Cornell.

At its peak, the process involved spaces for 30 Maryland students each year, divided among six colleges of veterinary medicine.

Commenting on the quota limitations for veterinary students which will continue to exist under the new bi-state operation, Dr. Hammond noted that "our philosophy is to allow Maryland residents an opportunity to receive training at a rate which will produce the number of veterinarians that this state needs."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Sheep Producers plan aggressive promotion program

SPARKS, Nev. — Plans for aggressive future lamb promotion programs and the successful outcome of past promotions were presented to lamb feeders by the president of the American Sheep Producers Council, Bill Pfluger, during the recent National Lamb Feeders Association's annual meeting in Sparks, Nevada.

"Currently, the ASPC is aggressively pursuing the food-service industry," said Pfluger, "We aim to increase lamb's share of the foodservice market by 10 percent from the current 68 million pounds. This is an added dimension to the Lamb Council's strong retail program which accounts for 270 million pounds or 80 percent of lamb sales."

To bring about this increase, ASPC will employ action programs in the areas of marketing, trade and consumer advertising to maximize lamb awareness, and to emphasize both good price and value to both retail and food-service. Merchandising will play an inportant role in educating and motivating key accounts.

Past lamb promotional programs have proven successful with an increase in lamb awareness and sales. During the fall promotion, 31 of the nation's largest retailers tied in with ASPC's radio and consumer magazine advertising reaching 18 million key lamb consumers from New York to Los Angeles. This promotion resulted in an average 30 percent increase in lamb sales.

"The industry has become more sophisticated in its marketing approach," said Pfluger, "Advertising is timed to aid orderly marketing. The producers also are trying new approaches to some selling lambs directly to consumers through local locker plants. These and other developments should contribute to our primary goal of increased producer profits."

Farm Bureau criticizes SS solution

PARK RIDGE, Ill. — The White House-endorsed plan for rescuing the Social Security system, "hits farmers doubly hard, without addressing the system's fundamental problem," American Farm Bureau Federation President Robert Delano said last Thursday.

"Under the bipartisn Social Security Commission report, self-employed farmers will have to increase payments 43 percent to meet the combined rate levied on employers and employees," Delano said. "In addition, farmers with employees will have to pay the increase in Social Security taxes on themselves and their employees that has been accelerated to next January."

Those two factors, the farm leader said, constitute a "double whammy" for a sector of the economy already reeling, in large part. because of government policies. "While the government is trying to redress its past mistakes by getting rid of surpluses and promoting farm exports, this latest tax increase will surely reduce net income for the nation's farmers and ranchers," Delano said.

Increasing Social Security taxes without significantly cutting the growth rate of benefits, Delano notes, "doesn't get at Social Security's basic problem: It is overly generous with benefits in relation to what's contributed into it." The newest plan, he asserted, "concentrates almost exclusively on increasing revenues, without getting control of the program's cost."

In addition, the farm leader said, "The commission's solution doesn't deal with the fact that there has been a relatively shrinking pool of workers supporting an expanding group of retirees. In 1950, there were 16 workers paying for each retiree; today there are only three workers paying for each beneficiary, in 50 years, there will be only two."

That problem, Delano said, "seemingly is the wild card in all this, as the Commission failed to come up with what it said was needed to get Social Security through the next 75 years." Delano said it is "unthinkable that Congress consider more tax increases for a long-term solution instead of freezing benefits at current levels until basic defects in the law can be corrected."

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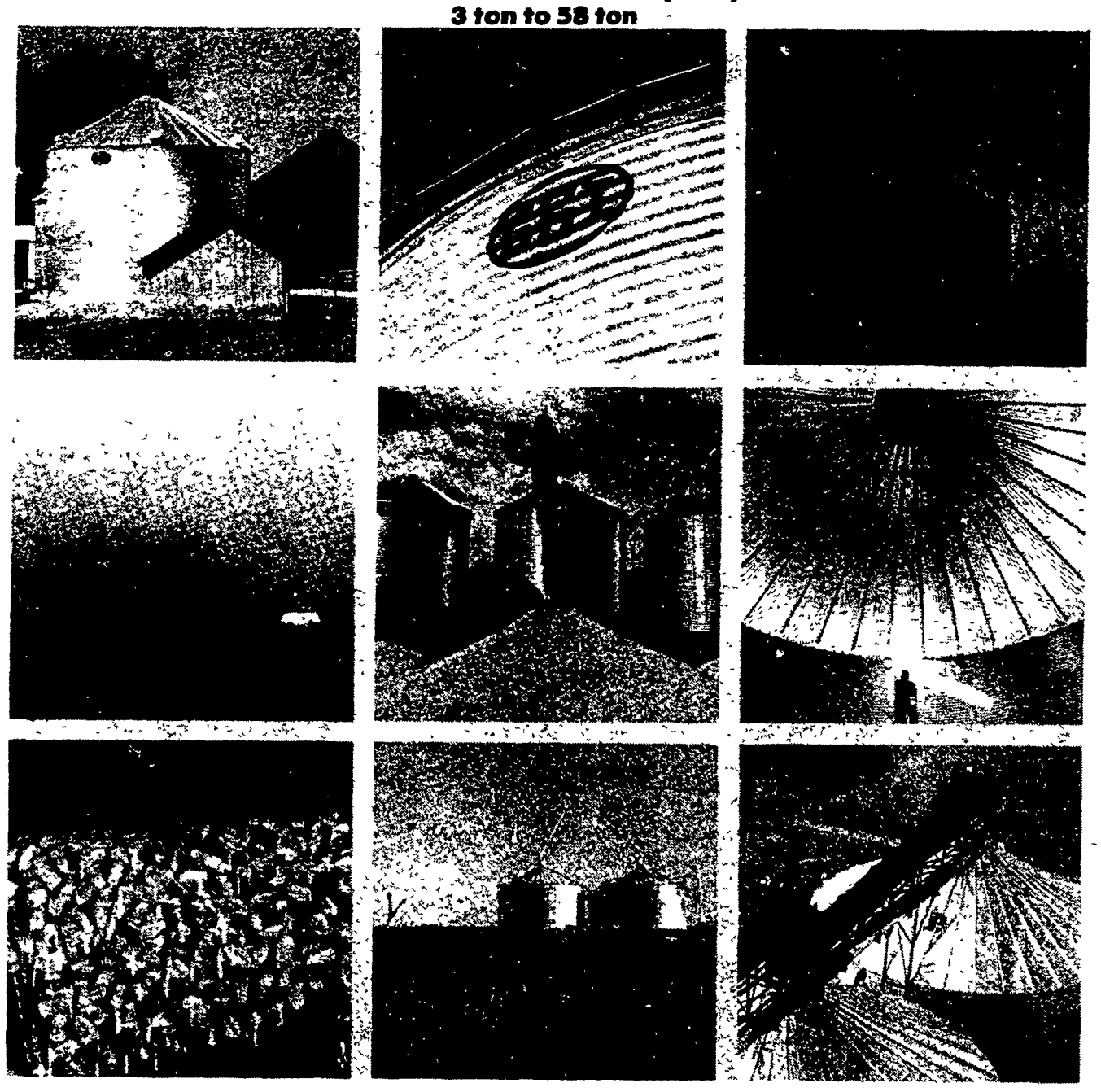

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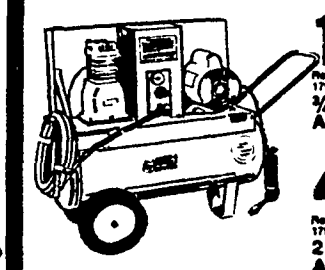

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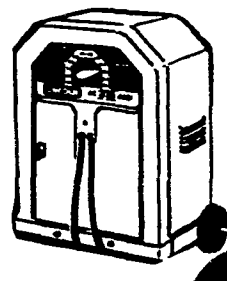

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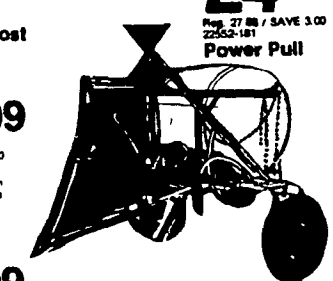

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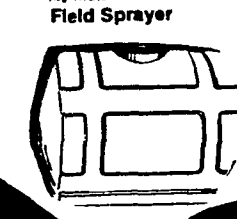

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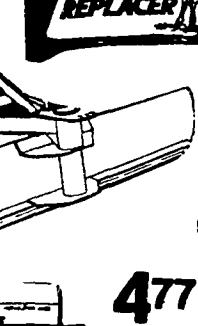

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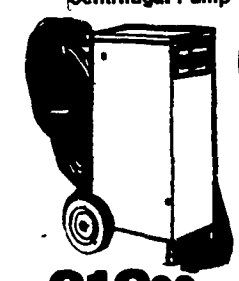

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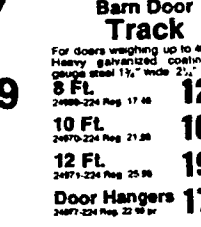

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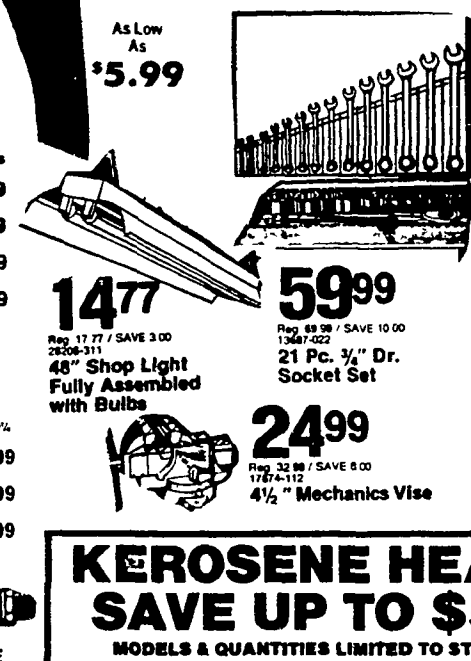

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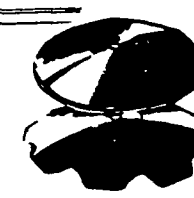

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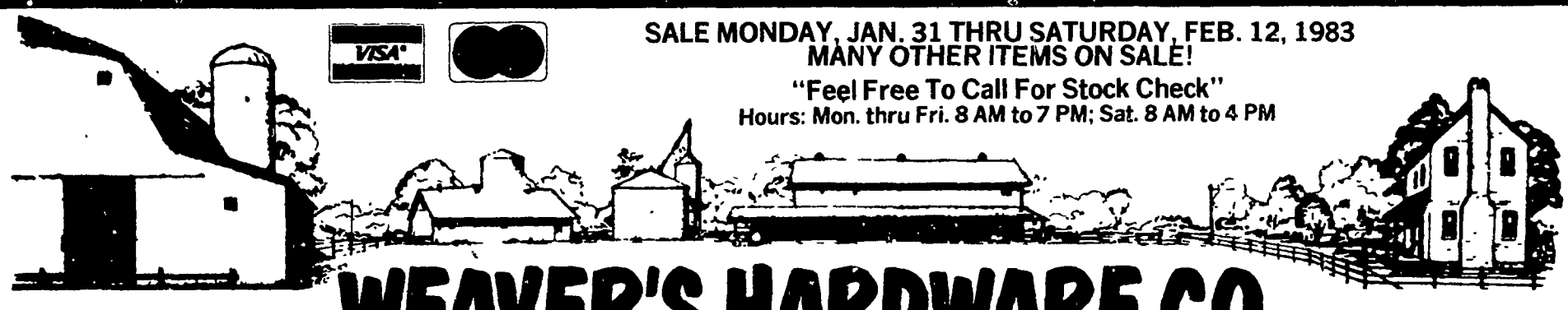

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New Holland 880 Harvester, new knives, excellent condition, best offer. 717-354-0584.

For Sale - Clay 11" Belt Feeder - 100' long; Gehl feeder wagon; J.D. KBA 10' disc harrow; 2 J.D. front mount 4-row cultivators; 207 Hawk bilt tank spreader; Brillion 10' cultimulcher. 215-488-6501.

AC 340 Corn Head for G Combine $2500
AC 15' Grain Table $2000
NH 353 Grinder-Mixer $4000
Grain Type Dump Wagon w/thrower sides $1000
WENTZ FARM SUPPLY
Palm, Pa. 215-679-7164

JD 4020 Diesel tractor with turbo, engine rebuilt 400 hrs. ago, nice cond., $7500, 717-532-7054.

FARM EQUIPMENT

Chisholm - Ryder snap bean harvesters, all machines complete w/hyd. dump boxes, recond. and painted, 609-769-3183.

ANTIQUE TRACTOR BOOKS! NEW! "GREAT TRACTORS" Classic tractors 140 photographs (30 large photos in color) 160 large pages $18.95 "150 YEARS OF INTERNATIONAL HARVESTER" Covers all tractors and EQUIPMENT up to 1979. 416 large pages, 2000 photos. Hard Leatherette Cover $28.95 "ENCYCLOPEDIA OF AMERICAN FARM TRACTORS" 352 large pages, tractors up to 1979 1500 photos Hard Leatherette Cover $28.95 "FARM TRACTORS IN COLOR" 183 pages $11.95 "STEAM POWER IN AGRICULTURE" 184 pages $11.95 "STEAM TRACTIONS ENGINES WAGONS AND ROLLERS" 158 colored photos, 180 pages $11.95 WINTER SPECIAL! Complete above collectors library 6- Above hardcover books $112.70 Value for $88.60 postpaid. All titles shipped postpaid. Diamond Farm Book Publishers, Dept. LF Box 537, Alexandria Bay, NY 13607 (613)-475-1771.

FARM EQUIPMENT

JD #1710 mulch tiller, 13' wide, 11 or 13 tooth; Haines hopper type stone picker, like new cond. 717-752-3825.

JD 7000 no-till grow planter, liquid fert. monitor pump, $13,000, 717-286-5306.

MF 175 tractor, good condition, engine rebuilt 2 years ago, 300 hours on new engine. 717-532-2599.

Farmall-M good paint, excellent rubber, recently overhauled. 717-286-9327 Northumberland County, $1,200 or most reasonable offer.

1969 Case 450 Drott 4-in-1 bucket, new battery, rebuilt hyd. cyl., new paint, radiator, $7,150.00. Miller MS-708 Spreader Box - 2½ ton hopper, heated screed, new paint, good condition, $1,950.00. Essick 2-3 ton roller, two cyl. Wisconsin, new paint, good condition, $1,800.00. 215-348-2123.

For Sale - Oliver Superior 11x7 disc grain drill, fertilizer attachment, good condition, $300. Berks Co. 215-323-8788.

For Sale - 1982 (A.T.C.) Honda Big Red 3-wheeler. 717-426-2655 after 6 P.M.

FARM EQUIPMENT

1977 Clark 721 Bob Cat Diesel Skid Steer Loader. $5,495. Very good condition. 814-793-2829. Curry Supply.

JD 3020 wide front, very nice cond., 717-532-7054.

For Sale - IH 56 four row planter, fiberglass boxes, disc openers, insecticide applicators, good condition, $1,600. 717-286-2345. 717-286-1375.

14' RWA JD transport disc harrow, like new, $975. 12' RWA JD transport disc harrow, $795. 11½' Brillion packer, $695. 717-354-0266.

Wanted to buy - MF corn picker, mounted 1 or 2 row, just for parts. 301-241-3358.

For Sale - Ontario 15 disk grain drill w/grass and fertilizer attach., like new w/many new spare parts. Call eve. 215-766-0479.

Rebuilt flail tank spreaders, like new, 368 NH, 2155 Hawk Bilt, small starline, 717-776-6203.

Wanted - Used tractor 40 to 50 HP, in need of repair, most makes and models considered, 717-776-7542.

Bobcat 530, hydra. drive, Kohler engine, 900 hrs., $4700, Jay's Equipment Company, Lansdowne, PA 215-623-2141.

IH 234 corn picker, 2 IH #51 silage wagons on chassis, IH C21 FH 7' sickle bar mower, 10 IH L3142 crowfoot packer wheels, reel for removing soil from root crops w/elevator on chassis. Bucks Co. 215-322-4370.

For Sale - 300 Farmall, very good cond., w/TA and fast hitch, fresh paint, over $1000 of work done on TA and trans., $1650, 717-464-2903.

Dual shaft PTO unit (540 and 1000) for late IH tractors, priced at $750, also new IH Cat. 3 top links, list price $200 will sell for $125, 717-464-2903.

WANTED - hay pick-up head and 1 row corn head or 2 row narrow corn head for IH #50 or #550 forage harvester, Reply to M&R Equipment Inc., New Park, PA, phone 717-993-2511.

Bobcat skid loader, 731 diesel, less than $200, 2 buckets. Call after 5, 717-865-2757

FARM EQUIPMENT

For Sale - Weaverline model 223 feed cart, good condition, $1,250. Franklin Co. 717-532-7009.

For Sale - Myers potato sprayer, 500 gallon tank, PTO, 42" fan, $9,000. 215-837-0847.

10' box cinder spreader, $950
DENNIS M. MILLER
Rt. 22 Grantville, Pa.
717-838-1888 anytime
717-469-0937 daily

NH TR 70 Combine 15' Flex Platform 6 RN corn head, priced right. May take smaller combine as trade. Adams Co. 717-642-8677.

Wanted - Fenders and Platform for IHC 966 or 1066. Would like to trade factory cab w/heat to fit these tractors. $950 exchange. 717-949-3074.

IH 21x7" soybean special drill w/double disc openers, dual rib press wheels w/depth control, $3,500, 301-272-3636 day, 301-272-2620 night

AC HD-4 crawler loader, good to very good cond., asking $5,500, can deliver, call after 6 p.m., 215-967-3252.

For Sale - Old model JD B, completely restored, good running cond., $1000, 717-532-8601.

Used Morris heavy duty self feed drill press, best offer, 1¼ miles north of Intercourse, Eli K. Lapp, 251 North Hollander Road, Gordonville, PA.

AC tractors, 7040, 7020, 7000, 180D wide, 3 D17's wide, D15 wide, WD-45 Diesel wide, 3-C's plow and cultivator, combine gleaner model E 10's, Case 300 wide, ps, Farmall cub, MH #44, Oliver 66, MF 65 D, needs repair, Farmall B, hay baler MF 124, McCormick 420, Hershey tobacco planter, Bearcat mixer mill, Oliver 24 grain drill, McCormick 12 disk grain drill, Sauder HI loader, 12' lime drill, 616 AC land plow, used AC tractor parts and equipment, 717-733-8708.

For Sale - JD 7000 4 row narrow, semi tillage corn planter, complete, like new, $6,000. Vermeer round baler, $2,475 and 3020 JD low hrs. wide front, $6,100. David Brown low hrs., $3,400. All late equipment. Berks Co. 215-777-0052 or 775-0508.

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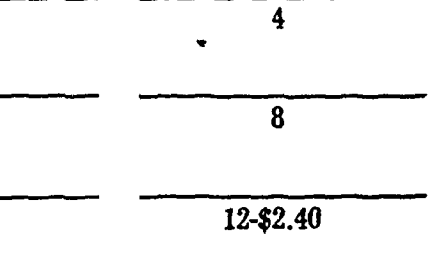

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FARM EQUIPMENT

For Sale - 10 ton feed bin. 717-566-2749 after 4 P.M.

Cab loader and front mounted snow plow to fit Case 870 tractor. Please call 717-395-3364.

Stoltzfus Wetline and Fertilizer spreader, 5 ton tractor driven, like new $3,000. 215-445-4131.

JD 6620 combine, hillside, 100 hrs., will finance or lease, $62,500. 301-833-3672.

4 self-unloading wagons, 2 beater, 2 IH, 2 Badger with 12 ton running gears, excellent condition. 814-632-5781 evenings. Huntingdon County.

For Sale - Farmall H with power steering, live two way hydraulics and cultivators, good shape, new tires. 717-299-4462.

For Sale - Used top buggy, hydraulic brakes, good paint $1600. Lanc. Co. 717-354-9243.

For Sale - Meter-Rite 400 AMP Double throw switch for center pole like new. $295.00. 717-966-0145.

Wanted - Moldboard extensions to fit AC snap coupler rear scraper blade, Lancaster Co., 717-687-6217.

For Sale - Heavy duty loader, large hyd. bucket, independent hyd. pump, excell. cond., $550, 717-888-7313.

IH 140 Hi-Clear with cultivators, excell. cond., 609-467-3457.

For Sale - 1981 NH 1038 automatic bale wagon, like new, excell. price, phone 215-863-4491.

For Sale - 10" hammermill, excellent condition. 717-653-5706.

Feedmobile portable hammermill, in good cond., mounted on truck, $7000. 717-469-0505 after 6 p.m.

For Sale - Engine blocks, heads, cranks for AC-WD, WC, CA, C, B, MH 33, 44. Complete trans-rear final drive assembly for AC-WD, WC, CA, MH 33. AC-B power unit rough $150, loader and cultivator for AC-CA $25, needs work, Lebanon Co. 717-865-6860.

Wanted to buy - WD 45 Diesel radiator. For Sale - used round balers, AC 3 and 4 btm. plows, AC slide mounted mower, Westmoreland Co., 412-423-4076.

For Sale - Oliver potato planter, good cond., 717-367-7361.

case

Case 2390 Tractor 1982, Fully Equip., 100 hrs. Dual Wheels, Traded for other Machinery
1980 Case 580C Backhoe/Loader w/Cab, Low Hours
Case 611B Tractor, just overhauled, short block
IH 856 Tractor in A-1 Shape!
IH 806 Tractor, completely overhauled
1980 Massey Harris 450 Round Baler
Brady tub spreader
JD tub spreader, both in good shape.
NI 727 Husking beds, good shape
Plus NI cut/ditioners & mow/ditioners, tractors & spreaders in stock at Good Prices.
Interest waiver on all new and used equipment till March 1, 1983.
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FARM EQUIPMENT

Rotovator Howard Model HAG - 70", fully adjustable offset, new, still in factory package, paid $4,400 - best offer. Call 201-628-1850

Ford mounted 2-row corn picker model 602; 12-roll husking bed, excellent condition - $2,500.00. Phone 717-229-2450 or 717-229-2736

JD 4010 w/turbo, JD 1440 no till planter w/monitor, Athens rock flex disc, LG 34' elevator w/2 h.p. motor, all very fine condition. 717-532-8905

Set of 18 4x34 dual wheels and tires. 814-443-2193

For Sale - Farmall 560 Diesel, excellent condition; Knight Model 500 spreader, truck or trailer mounted, presently mounted on trailer, like new condition. Wanted to Buy - Farmall 706 thru 1256 w/bad engine and T/A. Call 717-872-2579 evenings and weekends. 717-872-9152 weekdays

IH 826 German Diesel, IH 656 gas, JD 336 baler, all in nice shape, 607-748-4283

Case 2670 4 WD w/cab and air, 1370. IH 1066, 966, 856, 544. JD 4020, 3020, 50. T020 Ferguson.
DERSTINE FARM EQUIPMENT
717-292-1856

For Sale - JD 1240 4 row cornplanter, plateless. 814-662-4203

Mechanic special - JD 4020 diesel, power shift, needs some work. 717-532-7054

JD #41 loader w/7' bucket and mountings for JD 2020, 717-393-4732

M.F. 184-4, 63 hp, D., 4-wh. drive, 1980, 500 hours, $14,500. Antietam Ford Tractor, Hagerstown, MD 301-791-1200.

1981 NH L779 diesel skid loader, 2 buckets, excellent condition, 600 hours, $14,000. 717-432-2546.

Feedmobile portable hammermill, in good cond., mounted on truck, $700. 717-469-0505 after 6 p.m.

For Sale - IH combine #101 w/2 row corn head and grain platform, $1,000. 301-836-2982 between 7 and 9 P.M.

For Sale - Portable alternator w/10 horsepower Briggs and Stratton engine, 4500 watts, 120 or 240 voltage selector switch; NI 10A manure spreader, both in good condition. 717-656-9565.

Wanted - one set of on land plows 5/18 or 6/16 automatic trips, IHC or JD. Call after 6 P.M. 301-592-7401.

743 Bobcat, 1 new-$10,500 and 1 used-$7500. Will deliver. 717-762-1753.

For Sale - motorized Ag Bagger, has filled 24 bags, very good cond., must sell. 518-358-9930 or 358-2852 eves.

For Sale - steel tank wheels of JD tractor 62" high 16" wide, in good cond., phone 215-445-4410.

Gehl 120 three ton grinder mixer, hydraulic drive and electronic scales, good condition, $4,200. 717-872-8508.

Wanted - tractor tire, 18.4x28, 6 or 8 ply, 304-263-9801.

JD 46 loader, comes off of a 3020 JD, 717-532-2599.

For Sale - JD #47 loader with brackets to fit JD 2020. 215-383-6818.

For Sale - Feed Easy ST-100 stationary mixer, reasonably priced, A-1 cond., used less than 1 yr. Northumberland Co. 717-758-2136.

1460 Int. axial flow combine, 6 row 30" corn head, 15' platform grain head. 717-464-3800.

FARM EQUIPMENT

Crawler Tractor Parts.
New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others.
Rubber tired construction equipment parts available for Hough, Michigan, Galion and Cat Road Graders.
Call or write for equipment & parts brochure.
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Route 309
Montgomeryville, PA., 18936
Phone: 215-699-3533

Combine, 3300 JD, 422 hrs., looks like new. 814-926-3669

7G crawler loader, very good condition, asking $10,900. Will consider trade in. 717-367-9773

For Sale - 2 used Acorn cable barn cleaners, 170 & 180 ft. of cable, (2) 1½ h.p. reversing motors. Good for parts. Call after 7 P.M. 717-434-2697

2-1979 Ford F150, 4WD pick-ups, w/V-8 and auto. transmission, $4000 each.

Cat D315-D4 pwr. unit w/radiator clutch & PTO, runs good, $1250.

6" water pump, TACO model BB6012, 120 GPM, w/100' head, used for dewatering or irrigation, $1500.

Detroit diesel, 3-53 series, power unit w/radiator and PTO, $3000.
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Construction Equipment Sales & Parts
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Montgomeryville, PA 18936
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Lilliston model 2000 rolling cultivator, 3 pt. hitch, 186" tool bar, units complete w/front and rear gangs, coulters, etc., $1,150. 412-837-8310 days or 412-423-2791 evenings

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Cub Lo-Boy w/mower
Cub w/mower and S. Plow
Super C w/f.h., f.h. disc & f.h. cornplanter
T.J. WHEARY & SONS
Lancaster, Pa.
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JD 2520 diesel, dual hydraulics, wide front end. 814-793-4293

For Sale
Wisconsin And F-Cub Engine Parts
Cranks, heads, blocks, all reconditioned
T.J. Wheary & Sons
Lancaster, Pa.
717-687-0102

Wanted - 13 or 14' lime spreader box. 717-225-4006.

Haybuster #1068 no-till drill w/legume box, used one season, under 200 acres, asking $7,000. 301-836-2982 between 7 and 9 P.M.

For Sale - Farmall M and H, Dunham 7' cultipacker, heater cab for Farmall M or H, Acorn Super 600 barn cleaner, NH 469 haybine, 717-365-3562.

Wanted - Ford, Case, Oliver or White 3 bottom 18" semi-mounted automatic reset plow. 717-354-9579.

Locust posts, sawed, round and split, stakes and braces. Call after 8 P.M. 703-364-1389.

McConnell portable spring tooth harrow, 18'; Bush Hog disc harrow, 13'; #36 NH flail chopper. 717-799-5306.

JD 2440, well equipped, only 700 hrs., excell. cond., 412-696-4225, West Moreland Co.

For Sale - J.D. 210 Disk Harrow, excellent condition. Call Anytime 215-593-5572.

For Sale - IH 156-4R corn planter. Disc openers, fertilizer, seed, and insecticide hoppers. All fiberglass, $1250. Lancaster Co. 215-445-5898.

FARM EQUIPMENT

Wanted - Allis Chalmers tractor in need of repair. Any condition. 717-792-1635

For Sale - 1085 M.F. Tractor, dual hydraulics, 38" rubber; John Bean A.F. 20 sweet corn sprayer. 717-587-2659

For Sale - WD Allis Chalmers with NI loader, good cond. 717-792-1635

Woods 80" pull type rotary mower, exc. cond., $650. 215-757-6985

For Sale - Case 310 Crawler Loader, good condition. Call after 6 p.m. 215-494-4746

JD 3010 Diesel, narrow front, very good cond., $4000, 717-532-7054

For Sale - IH 540 plow w/cyl., IH 1150 grinder (new) NI 324 picker, 3 yrs. old, Schultz 2 row shredder, IH 560 gas, IH #45 vibra shank w/rake, NH #4177 haybine, call 215-926-5177

Buy a 401 silopress, the economical way to store crops, several units available, 1 new unit for $17,500, used unit for $12,000. 717-768-3772

Antique 1928 model 10-20 tractor, very good cond., for information 201-879-5851

FARM EQUIPMENT

IHC 856 dual hydraulics, 38" rubber, wide front. 814-793-4293

IHC 706 German diesel, 3 pt. hitch, 814-793-4293

Oliver 2050 diesel, 119 HP, exc. cond. 814-793-4293

For Sale - JD rollguard cab. 814-793-4293

White 1510 loader, $1275, Brady spreader $300, good Woods snow blade $275, 3 pt. hitch blade heavy, $375, Bucks Co., 215-249-3633

Cushion seat w/back rest Sauder loader bracketts, front bumper hitch, all off Ford, 860, 717-921-2852

For Sale - 4166 IH 4WD tractor, new clutch, $12,900, Minneapolis Moline U-302, 44 HP tractor $2900, 717-933-8853 or 717-933-4062 eves

Wanted - Fertilizer tender. 215-933-2223

2 Farmall M tractors w/blade and bucket. IH 400 Cyclo 4 row corn planter. IH 3 btm. trailing disk plow w/hyd., JD 3 btm. disk plow w/triple lift. IH 370 12' disk w/mulcher att. IH 58N 8' disk. IH 153 4 row cultivator. 165 gall. 8 row wheat sprayer, 22' steel flat bed truck body, 215-666-5410 after 6 p.m.

FARM EQUIPMENT

MF 1085 w/cab 814-793-4293

For Sale - Custom built 2 row cornplanters using John Deere Max-Emerge plateless units. Can be pulled behind Pequea plow chassis using same hydraulic system. Early Order Discounts. Also horse drawn corn planters converted to plateless or row kits for self installation. 2 mi. North of Rt. 40 along Rt. 897 Lanc. Co. Gideon F. Stoltzfus, RD #2, Gap, Pa. Box 227C, 17527

Ford 3400 backhoe and loader. 814-1793-4293

For Sale - New and used Gandy applicators for planters, balers, blowers, etc. Also depth gauge shoes for better seed depth accuracy for most shoe type planters. Gideon F. Stoltzfus, RD #2, Gap, Box 2276, Pa. 17527

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JD 4010 w/new engine, 38" rubber, front, excellent 814-793-4293

IH 966 diesel 3 pt. wide front, excellent condition. 814-793-4293

JD 4320 cab, 38" rubber, dual hydraulics. 814-793-4293

FARM EQUIPMENT

530 JD 3 pt. and fenders, excellent condition. 814-793-4293

Brillion 8' and 10' packer seeder; Brillion 10' sprocket cultipacker; Vicon spreader seeder, pull type. 717-687-0102

JD 7' York rake, $550; Ford 501 7' mower, $375; Ford 2 row cultivator, $275. All 3 pt. hitch. 717-687-0102

For Rent - JD 4020 diesel $55.00 per day, $275 per week $600. per month, $1800 per half year, $3000. per year. Sign up now for Spring or clip and save this ad. Delivery available. Quarryville 717-786-3964

For Sale - Two 237 JD mounted corn pickers, one used for parts, $700 for pair. Adams Co. Call evenings 7-10- 717-677-8881

Custom Built - Portable gas or diesel powered WOODSPLITTER, also three point hitch. Rebuilt Wisconsin Engines, 3. THD two cylinder one has clutch, 2. YE4 four cylinder, Rebuilt Diesel Engines, New Lister Diesel Engines, Stone lined hot water tanks, P.T.O. or Diesel Drive generators. Bylers Diesel Refrigeration, Star Route 655, Belleville, PA 17004

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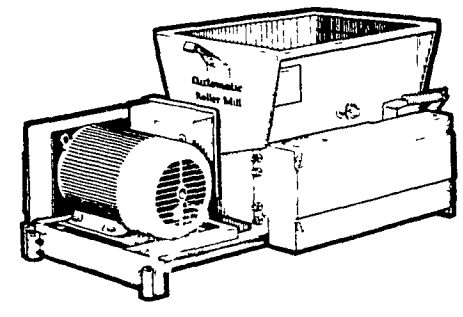

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FARM EQUIPMENT

JD 2510 gas, dual hydraulics, 3 pt. power steering, 3000 hours, 814-793-4293

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JD 730. diesel, electric start, 3 pt. hitch, 814-793-4293

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JD 2840 Tractor w/cab
JD 4030 Tractor
JD 4020 Tractor P.S. W.F.
JD 4020 Tractor WF
JD 4010 Tractor propane
JD 3020 Gas Tractor
JD 2640 Tractor w/145 Loader
JD 850 Tractor
JD MT Tractor w/plow, Cultv. and Mower
JD 60 Tractor
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JD 1209 Mower Conditioner
JD 336 Baler w/ejector
JD 24T Baler w/ejector
JD 7000 6R Consv. Planter w/Liquid Fert.
JD 7000 4R Consv. Planter w/Dry Fert.
JD 1240 4R Plateless Corn Planter
JD 1440 No Till Corn Planter
NI 325 2R Corn Picker
JD 3800 Chopper w/2R corn head
JD 35 Chopper w/2R corn head
JD BWA Disc
JD B Plane 15 Disc Grain Drill
JD 8250 14x7 Grain Drill
JD FB Grain Drill
JD 8350 18x7 Grain Drill
JD 4400 Combine w/Platform & C.H.
JD 4400 Combine w/444 Corn Head & 13' Platform
JD 7700 Combine
JD 7700 Combine w/643 Corn Head & Platform
JD 6600 Combine w/15' Platform
Gleaner A Combine
JD 244 Corn Head
JD 709 Rotary Mower
JD 110 Chuck Wagon
JD 115 Chuck Wagon
JD 125 Chuck Wagon
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IH 6B Plow
NH Tank Spreader
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Ph: 301-452-5252

FARM EQUIPMENT

JD 4000 diesel, side console, 72 model, 814-793-4293

Meyers forage box, 6x16 with roof, two way unloading, three beater, excellent condition. $1,975.00. Weaver's Hardware Co. Fleetwood, Pa. 215-944-7486

Used sawmills for sale. We buy and sell. Leroy Wray, R.D. 1, Douglassville, PA 19518. 215-385-3884

HORSE EQUIPMENT
NI tobacco planter, 1 row
Oliver 2B 12" Raydex
NI 17 Manure Spreader
JD KBA 20 & 24 Disc
JD 9' Spring Harrow
NH 455 7' Trailer Mower
IHC 100 7' Trailer Mower
MC 7' Rotary Scythe
NI & NH 10' Fert. Drill
NH 30' Corn and Hay elevators
TOM WHEARY
Lancaster, Pa.
717-687-0102

IH 806 diesel, original paint, wide front, 3 pt. hitch, 814-793-4293

USED FARMHAND GRINDER-BLOWER
ALSO
FARMHAND TUB GRINDER

Tractors
AC 440, 4 Whl. Drive, Demo., like new
AC 190
AC 180 — IH 504
AC D19 — IH 300
AC 7030 — IH 450
AC 7040 — IH 340
AC 7050 — IH H
AC 7000
JD 2010 — JD B
JD 4010 — JD A
JD 70
Ford 4000 G
Ford 4000 D
Ferguson 65G
Ferguson 65D
Case 300 w/Loader
Case 800
Used Kubota 245 w/Loader, FWD
Used Kubota 245 FWD
Kubota 5100
Kubota 6100
Kubota 7100
New Gleaner L Combine
Used Miller Discs 8½', 10'
New Rotary Scythe
Used Rotary Scythe w/engine

GRUMELLI FARM SERVICE
Quarryville
Phone
717-786-7318

FARM EQUIPMENT

15 KW Katolight generator, 40 amp Lincoln straight and reverse polarity DC welder, can be used on PTO or line shaft. Used 2 years. Beaver tail type trailer. 717-423-6794

JD 4620, power shift, good condition. Lancaster Co., Pa. 717-284-2761

For Sale - (New) NH 310 baler super sweep pick-up w/engine. $5,800 Jacob M. Fisher East Gordan Road Gordanville, PA 17529.

7700 JOHN DEERE COMBINE
444+643 Corn Heads
213 Grain Head
$33,000
1977 STEIGER WILDCAT TRACTOR
Dual Tires
301-663-4678

MF
SPERRY NEW HOLLAND

USED EQUIPMENT

Tractors
AC WD
MF 285

Tillage
JD 4B Plow
Case 5B Auto Reset Plow
MF 66 3B Plow
Pittsburgh 8' Disc
3 Section Drag Harrow
16' Drag Harrow

Hay Equipment
AC Forage Harvester
IHC Forage Harvester
(2) NH 717 Harvesters
NH #36 Crop Chopper
MF #35 Rake
Badger 14' Fg. Box
NH 273 Baler w/thrower

Combines
MF 300
MF 205
NH 952 4 RW C.H.

Miscellaneous
NI 216 manure spreader
NH Super 717 Harvester w/2 heads
Gehl 2600 Skid Loader
NH L35 Skid Loader
Ontario Disc Drill
Gehl #50 MX Grinder-Mixer

MARLIN SCHREFFLER
Pitman, PA
717-648-1120

FARM EQUIPMENT

Case Uni-loaders 1537, LP gas, new paint, new bucket, rebuilt engine. 1740 diesel, new paint and pulley. T & T Supply, Danville, PA 717-275-0927

JD 3020 diesel, wide front w/rollguard 814-793-4293

FARM EQUIPMENT

1972 JD 4320 tractor, excellent condition, 717-762-3193

AC combine, 1976 model LKS w/hydro., 1337 hours, 13' grain and 630 corn head, reasonable. 717-486-5624

FEBRUARY SALE
Prices reduced drastically for quick sale.
Take advantage of the January sale.
Prices F.O.B.

TRACTORS

	List	SALE
JD 4000 tractor	$12,500	$9,600
JD 4010	10,500	9,000
JD 2520	8,900	7,800
JD 2510	7,000	6,200
30 Ferguson	1,800	1,600
JD 70 tractor	2,800	2,000
JD 4640, just came in, repossessed		

HAYING EQUIPMENT

	List	SALE
JD 1209 mower conditioner	$3,200	$2,500
JD 640 rake	1,175	975
JD #10 mower parts		50

COMBINES

	List	SALE
JD 6620 sidehill w 643 head	$74,400	$66,000

CORN PLANTERS

	List	SALE
JD 290	$400	$300
JD 1240	3,000	2,000
JD 7000 planter, 4RW	6,500	4,200
JD 7000 4RW w new min. till coulter and pop monitor	6,900	4,800
IHC 56 4 row	2,600	1,600

DISCS AND PLOWS

	List	SALE
Pittsburg 12'	$1,600	$1,000
JD 950 roller harrow	3,800	3,400
JD 145 plow 5-16"	2,100	1,800
10' Oliver Disc	1,150	995

OTHER EQUIPMENT

	List	SALE
IHC harvester, #16	$1,495	$800
JD 38" row crop head	675	450
NI spin spreader	695	500
Ontario drill 16x7	3,200	2,500
6000 Kools blower, 1000 RPM	1,275	850
Dual wheels 20.8x38,	850	600
JD 79 tank spreader	550	500
30" 2R Row Crop	800	725
JD 34 Spreader	875	750

SPECIALS ON NEW EQUIPMENT

	List	SALE
JD 1640 plowing disc	$8,875	$6,000
JD 2600 plow, 4 bottom 18"	8,000	5,500
JD 315 Disc	8,700	6,000

	List	SALE
JD 1550 power till seeder rental machine	$10,700	$6,000

Waiver of finance and payment on nearly all equipment.

JOHN DEERE
AUKER-ENA EQUIPMENT, INC.
Oakland Mills, PA 17067
717-463-3511 436-2235

FARM EQUIPMENT

TRACTORS & LOADERS
Ford 4000 3 cyl.
(2) 3400 Gas
(2) 4000 Ind. Gas
860 w/Power Steering
Jubilee
Ferguson 30
Satoh 650
Ford 801 PS
Ford CL40 skid loader

1968 Ford 5000 Diesel
Real Nice
$6,000

MF 175D 8 speed
JD 2640 w/Hi-Lo
Ford 9600 Tractor
Ford 8000 Tractor
Ford 800 w/Blade
Ford 5B Sp. reset plow
JD 16' wing disc

KELLER'S FARM MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

FARM EQUIPMENT

NH TR 75
Pay New Holland what we owe and it's yours!

New White 2-85 Tractor

MF 65 Tractors

Skid Loaders

Spreaders

Haybines

Planters

Grinder Mixers

SHEETS BROS.
New Holland, White
1061 Carlisle St.
Hanover, Penna.
717-632-3660

Ford 340 skid loader
Wetmore recutter
56 New Holland hay rake
Brillion field harrow
New Caldwell rotary mower
New Caldwell 8' blades, special discount
John Deere #65 blower
White 316 plow
McCurdy and Farmer Boy gravity bins in stock
8' Woods rotary mower
Harde rotary mower
Ford 8600 dual power
JD 290 corn planter
Potato grader
#17 New Idea spreader
NH 352 grinder mixer

Wanted - fenders and platform for IHC 966 or 1066. Would like to trade factory cab w/heat to fit these tractors. $950 exchange

Sales and Service on Farm Tires

DJ Implements
Located in Reistville midway between Myerstown and Schaefferstown along Rt. 501
717-949-3074

SPECIAL OFFERINGS
No Trade Prices

JD 7000 Conservation Planter, 6R Narrow w/liquid Fertilizer and Monitor.. with bonus $12,750
JD 327 Baler w/ejector $7,500
JD 146 Loader $2,500
JD 397 Mower $600
NH 847 Round Baler w/auto wrap $7,950
NH 679 Manure Spreader w/end gate $6,400
NH 38 Crop Chopper $4,900
Mathews 9E Rotary Scythe $4,250
Hub 155 Elevator 36' $1,995

JAMESWAY SUPER HEAVY DUTY GUTTER CHAIN
For Chain Cleaners
10.00 Per Ft. For Chain in Stock
F.O.B. Silverdale

WINTER SERVICE SPECIAL
10% Discount on Service Work done in our shop. Includes hauling, labor and John Deere parts used with the job. Work must be scheduled by appointment. On farm service excluded. Offer applies to work performed through February 15, 1983.

JOHN DEERE OIL INCLUDED IN THESE OFFERS.

SPERRY NEW HOLLAND — WAIVER OF INTEREST ON MANY ITEMS — JOHN DEERE
I. G. SALES
DeLAVAL JAMESWAY
Silverdale, PA 18962
215-257-5135
Quonset Buildings

VERMEER — HEDLUND MARTIN INC. — Vicon

NEW EQUIPMENT
- Vermeer 504H Baler
- Vermeer & Scranton Bale Movers
- (4) Vicon 4 Wheel 3 pt Hitch Rakes
- (3) Vicon 600 lb. Spreader
- (3) Vicon 950 lb. Spreader
- (2) Vicon 1900 lb. Fert. Spreader
- (1) Vicon 15' Power Harrow
- (1) Vicon RP1200 Round Baler
- (1) Vicon 8' Mower Conditioner
- Haybuster 1068 Semi-Mounted No-Till Drill

USED EQUIPMENT
- Vicon 8' Mower Cond.
- Brady Flail Shredder
- Martin 3300 gal. Liq. Spreader
- Farm Systems Tank Spreader
- N.I. Manure Spreader
- Hesston 12' Hydro Swing Haybine

This Week's Special
Vicon 10 ft. Power Harrow
Was $4,000
Reduced To $3250

RED WING FARMS
R D #1, FLEETWOOD, PA 19522
215-944-9583 215-944-0791

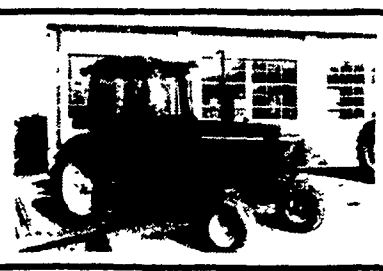
JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE

JOHN DEERE USED TRACTORS

1010 RU Dsl.
4620 P. Shift Cab
4010 Dsl. W.F.E.
4020 Dsl. W.F.E.
4030 SYR. 4 Post R.G.
3010 SYR. Dsl.
3010 SYR. - Gas w/Side Mtd. Mower
630 Gas R.C.
70 Gas R.C.

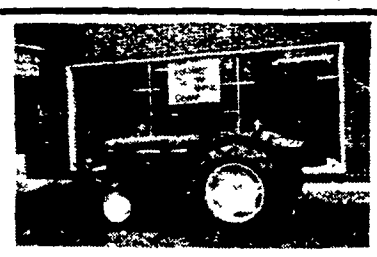
OTHER FARM TRACTORS

2 - 135 White-Cab, Low Hrs.
M Farmall
460 IHC Gas
MF 65 Dsl.
Oliver 550 Gas w/Sauder Loader
AC 7045 w/Cab, Low Hrs.
2000 Ford, Dsl., PS (Blade), Excellent

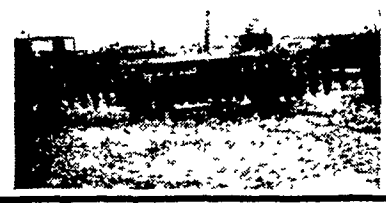


JOHN DEERE 4230 DIESEL TRACTOR
Quad Range Trans.
Sound Guard Body
Priced At $16,900
JDFP Financing Available
Waiver To June 1-83

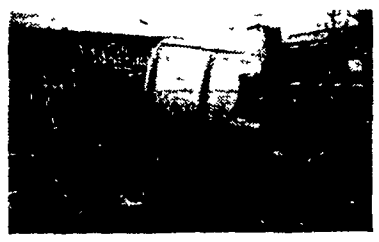
ALLIS CHALMERS 7045 - 145 HP DIESEL TRACTOR
w/123 Hrs.; Power Shift;
Cab w/Air C.; Front Weights
Priced AT $28,500
JDFP Financing Available
Waiver to June 1-83



JOHN DEERE COMPACT UTILITY DIESEL TRACTOR
27 HP - 175 HRS.
W/JOHNSON 30 LOADER
w/Independent Valve;
Utility Bucket w/Hyd. Controls
Priced at $6,995
JDFP Financing Available
Waiver to June 1-83



MASSEY-FERGUSON 620 DISK HARROW
12 FT. - TRANSPORT
Priced at $2,350



JOHN DEERE 520 TRAILER SPRAYER
PTO Pump, 200 Gal., 30 Ft. Boom.
Priced at $1,695

CHECK THESE SPECIALS — CALL RIGHT AFTER 7 A.M. FOR INFORMATION & PRICE
NEW EQUIPMENT SPECIALS

JD 7000 4&6 row planters
JD money bonus & waiver to April 1, 1983
JD 125 Dsl. skid steer loader
JD 90 skid steer loader
JD 6500 forage blower
JD 465 flail spreader
NI 325 2RN picker
NI 272 7' cut/ditioner
JD 2440 RU 28" whls. Hi/Lo
JD 4240 quad w/sound body
"40" Series close out specials. New Customer cash rebates and finance waiver until June 1, 1983 or cash in lieu of waiver.
JD 327 Baler w/#30 ejector
JD 337 Baler w/#30 ejector, JD waiver to May 1, 1983

NI 206 SPREADERS SPECIAL TERMS NOW BEING OFFERED WITH DOWN PAYMENT BALANCE CAN BE EXTENDED TO MAY 1, 1983

NEW IDEA 95 BU. GROUND DRIVEN SPREADERS

OVERSTOCKED! MUST REDUCE INVENTORY! PRICES AT COST!

206 New Idea Spreader Available
With or Without Steel Wheels
With or Without Endgate Att.

SPECIAL SKID LOADER PRICES

STANDARD EQUIPMENT INCLUDES
Hydrostatic Transmission
Roll-Guard, Canopy and Screens

JOHN DEERE 90
23 HP Gas
52" Utility Bucket (9 cu. ft.)
Priced at $8,995

JOHN DEERE 125
40 HP Dsl.
56" Utility Bucket (12 cu. ft.)
Light Kit and Radiator Guard Kit
Priced at $13,995

SALE -- RECONDITIONED USED EQUIPMENT PRICES REDUCED

PTO MANURE SPREADERS

Tag 318	NI 224 w/Endgt & Top Btr.	Reduced $500 to $3295
Tag 327	NI 218 w/Endgt	Reduced $595 to $3000
Tag 300	NI 213 Sngl Btr w/Endgt	Reduced $200 to $1595
Tag 313	NI 213 Sngl Btr.	Reduced $50 to $750
Tag 294	NH 214 Flail Type	Reduced $400 to $1595
Tag 296	NH 365 Flail Type Spreader	Reduced $400 to $995
Tag 287	JD 40 w/Endgt.	Reduced $100 to $1450

GROUND DRIVEN SPREADERS

Tag 328	NI 206 (hubs only)	Reduced $100 to $1100
Tag 299	NI 206 steel whls.	Reduced $525 to $1250
Tag 283	NI 206 (hubs only) w/dgate	Reduced $400 to $1095
Tag 305	NI 10A stl whl AS-IS.	Reduced $120 to $175

CORN PLANTERS - Subject to interest waiver

Tag 160	JD 7000 6R Reg., dry fert., insect, monitor	Reduced $350 to $6500
Tag 169	JD 7000 6R Cons, dry fert., insect. pop. monitor	Reduced $500 to $8495
Tag 151	JD 1440 Zero Till 4R 80 plateless, dry fert. insect.	Reduced $145 to $2850
Tag 149	JD 1250 6R plateless w/dry fert., insect., insect, pop monitor	Reduced $500 to $2450
Tag 143	JD 1240 4R 38" plateless w/fert., insect, monitor	Reduced $400 to $2050
Tag 146	JD 1240 4R plateless w/fert., insect.	Reduced $300 to $1650
Tag 150	IHC 56 4R, dry fert.,	Reduced $100 to $1350
Tag 153	AC 500 4RW, dry fert., insect.	Reduced $700 to $750
Tag 164	AC 500 4R, fert., AS-IS	Reduced $345 to $250

WINTER REPAIR SPECIAL

FREE ENGINE OIL CHANGE WITH TRACTOR REPAIR WORK $100 MINIMUM

10% OFF

On all John Deere Service Work
On Farm Tractors and Farm Machinery -
No Minimum-Thru March 1, 1983

DISCOUNT APPLIES TO ALL SERVICE WORK DONE IN OUR SHOP INCLUDING HAULING, LABOR, AND JOHN DEERE PARTS USED PERFORMING THE JOB.
☆ FIELD SERVICE EXCLUDED ☆

Make all your farm machinery repairs now to avoid wasting valuable time and money in the busy Spring. Our mechanics are experts...call soon! - (717) 291-1046.
By Appointment Only
Sorry we cannot offer discounts on credit sales

LANDIS BROS., INC.

1305 Manheim Pike, Lancaster, PA 17601
Phone -717-291-1046

JOHN DEERE

USED FARM EQUIPMENT

IH 21x7" soybean special drill w/double disc openers, dual rib press wheels w/depth control, $3,500

IH 400 Cyclo 4x36" no-till planter w/liquid fertilizer tanks, $1,200

F.O. Mitchell & Bro. Inc.
Perryman, MD 21130
301-272-3636 day
301-272-2620 night

SHULER EQUIPMENT SALES

RD #1 Box 228
Shuler Road
Shermansdale, Pa. 17090
717-582-4365 anytime
ACRES OF USED AND RECONDITIONED FARM EQUIPMENT AND TRACTORS
Also
ACRES OF USED EQUIPMENT AND TRACTOR PARTS.

WE WILL BUY OR TRADE YOUR USED EQUIPMENT IN ANY CONDITION.

EDWARDS FARM EQUIPMENT

291 W. Moorestown Road
Route 512 At Clearfield,
Nazareth, Pa. 18064
Phone 1 (215) 759-0240

SUPER SPECIALS

New Equipment

	Regular Price	SPECIAL PRICE
Gannon landscaping scraper	$2,195	$1,750
Glencoe soil saver, 6'	$5,465	$4,375
Westfield grain auger, 41' (less motor)	$1,385	$1,100

Used Equipment

Woods HR 105 heavy duty cutter, 5', 3 pt.	$1,765	$975
Farmi logging winch	$1,795	$1,175
Ford 101 plow, 2 bottom 12"	$750	$600

Used Farm Tractors

David Brown 990 Diesel	Ford 2000 4 Speed Gas
David Brown 880 Diesel	Ford 2000 8 Speed Gas
Case 1210 Diesel	Ford 4000 5 Speed Gas
Ford 1300 2 cyl. Diesel	Ford 6500 TLB

FARM EQUIPMENT

Complete
TRACTOR
&
ENGINE
REBUILDING
Dynamometer
Testing
FOR SALE
A.C. and Wisc. 2 and 4 cyl. power units with or without clutch reduction.

SPRING GARDEN REPAIR SHOP
RD #1 Box 204
Kinzer, Pa. 17535
Joe S. Stoltzfus

FARM EQUIPMENT

JOHN DEERE

USED EQUIPMENT IN STOCK

JD 4630 Cab, Air, QR
Deutz D10 Tractor
Cat D4 Dozer
JD 216 Flex Platform
JD 220 Flex Platform
NH 278 Bal SOLD
Sunmaster 7½' SOLD
Ford 10' Heavy Duty Rear Blade
JD 950 Roller Harrow 12'
JD 400 Rotary Hoe 20'
JD RM 630 Cultivator
16.9x28 Duals
GE Electrak Lawn Mower
JD 214 Lawn I SOLD

Cooper Ent., Inc.
Box 12, Cecilton, MD
301-275-2195
Evenings Call Gary
301-885-2248

FARM EQUIPMENT

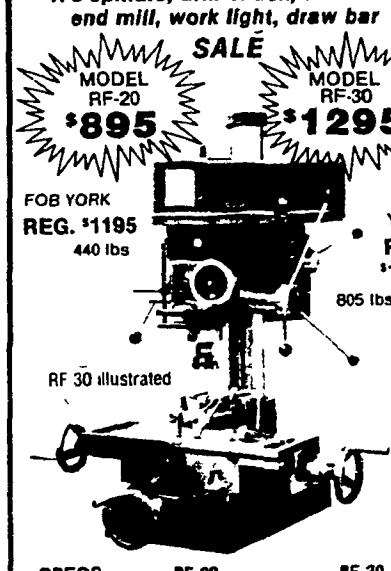
MILLING & DRILLING MACHINES

with motor, reversing switch, R-8 spindle, drill chuck, drill vise, end mill, work light, draw bar

SALE

MODEL RF-20 $895 FOB YORK REG. $1195 440 lbs

MODEL RF-30 $1295 FOB YORK REG. $1595 805 lbs



RF 30 illustrated

SPECS	RF-20	RF-30
SWING	13.7"	16.5"
STROKE	4.0"	5.0"
TABLE	6 2" x 20.5"	8.26" x 28.74"
TRAVEL	6" x 12"	6" x 18"
RPM'S	80 to 1700	135 to 2440
MOTOR	1 HP 1 PH	2 HP 1 PH

SEND $1.00 FOR MACHINERY CATALOG

WILKE MACHINERY CO.
WMC 1519 Mt. Rose • York, PA 17403 2996 • (717) 846 2800 WMC

FARM EQUIPMENT

NEW EQUIPMENT

WHITE -
2-110 tractor w/cab
2-85 tractor
2-55 tractor
508 5 Bot. SAR Plow
598 6 Bot. SAR Plow

GEHL
CB 1000 For. Harv. w/2-Row Corn Attach. & Hay Attach.
3510 Skid Steer Loader
1400 Round Baler (Demo.)

NEW IDEA-
No. 177 41' Elevator
No. 243 Spreader
No. 244 Spreader
No. 245 Spreader
279 CutDitioner
325 Cornpicker w/327 Husking Unit

USED EQUIPMENT

IH 606 Diesel Utility
Oliver 1855 Diesel
New Idea 213 Spreader 3 Beater
New Idea 218 Spreader
New Idea 622 Forage Blower
FB 88 Gehl blower
Oliver 252 Disk Harrow 11'6
Gehl 95 Grinder Mixer
Gehl 115 Grinder Mixer
Gehl 910 For. Box

Open House
Feb. 10
Discount Days
Feb. 14 to 26

MILLER EQUIPMENT CO.
RD 1 Bechtelsville, PA
215-845-2911

FARM EQUIPMENT

JOHN DEERE

USED EQUIPMENT

JD 4030 Tractor Diesel
JD 54 Manure Spreader
JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 727 rotary mower
JD 7000, 8 row, 30" corn planter w/Liquid Fertilizers and Monitor
JD 1250 corn planter
JD 485 mower conditioner
Oliver 5x16 Plow
1-JD 2630 tractor
1-JD 4020 tractor
1-JD 1250, 3 btm. plow
1-JD 34 spreader
1-JD AW disk harrow 14'

NEW EQUIPMENT

JD 7100 8-row 20" bean planter
JD 2450-7B-16" On Land Hitch Plow

OTHER LINES NEW EQUIPMENT

NH 315 Baler w/ejector
Superior-Campbell Sprayers
Superior-Scranton Livestock Equipment, (Hay Feeders, Corrals, Gates)
Ceco Farm Buildings

J.S. COVERT & SONS
Neshanic Station, NJ
201-369-5241
Just 3 miles off Rt. 202
(Between Flemington & Somerville)

DEPENDABLE MOTOR CO.

EAST MAIN STREET, HONEY BROOK, PA. 215-273-3131/273-3737

OPEN HOUSE

TUESDAY, WEDNESDAY, THURSDAY
FEBRUARY 1, 2 and 3
All Day - 7 A.M. to 5 P.M.

NEW EQUIPMENT SPECIALS

NH #718 Harvester (1 only)
NH #892 Harvester Electric Controls, Metal Detecter, 3R Hd. & Pickup Head
NH #495 Haybine
NH #488 Haybine
NH #230 and #234 Wagons
NH #456 Mower, 1 only
NH #28 Blower
NH #519 Spreader 11:20 Tires
NH #791 Spreader, 11:20 Tires
NH #303 Liquid Tank Spreader (Demo)
NH #367 Tank Spreader, Used 1 Year
NH #315 Baler PTO
NH #315 Baler w/70 Thrower

CALL FOR SPECIAL PRICE

- Pittsburgh 3B 18" Auto Reset Plow $3150
- Pittsburgh 4B 18" Semi Mtd. Auto Reset Plow.... $5275
- Pittsburgh 12' Field Cultivator, 1 only $1295
- Hutchmaster Disc 22x¼" blades D.O.T. Flex Gang 5600 lbs..... $6200
- Dunham 3 Bar 8 Tooth Chisel Plow..... $1695
- Hub Tool Elevator 36 ft..... $1995
- Walsh 300 Gal. Sprayer 34', Cyn Pump $1925

• SPECIAL DEALS ON THE ABOVE PLUS FREE FINANCE ON NEW & USED NEW HOLLAND HAY AND FORAGE EQUIPMENT TILL JULY 1, 1983
SPREADERS AND GRINDER-MIXERS TILL JUNE 1, 1983

FACTORY REPRESENTATIVES PRESENT FROM NEW HOLLAND, JAMESWAY & HUTCH MASTER

USED EQUIPMENT

NH 707 Harvester w/1R CH, good cond.
IH 555 Harvester, 2 Row Head & Pickup Head
Bush Hog 12' Offset Disc, 26" blades, excellent condition
7' 3 pt. hitch York Scraper Blade w/100 h.p. rating
NH 325 Loader 54" bucket, like new
NH 479 Haybine, Ex. Cond.
NH 272 Baler w/Engine
NH 273 Baler w/engine
NH 310 Baler w/engine
NH 268 Baler
NH 455 Mower
NH 56 Rake, Ex. Cond.
NH 770 R2 Corn Head
NH 717 N2 Corn Head
NH 717 Pickup Head
NH 519 Manure Spreader

SPERRY NEW HOLLAND

JAMESWAY OSWALT ENSILMIXER DUNHAM
Leasing Available

DEPENDABLE IS MORE THAN OUR NAME

CHAMBERSBURG FARM SERVICE, INC.

975 S. Main St. Chambersburg, PA
(717) 264-3533 (717) 597-8811 (717) 532-8800

THE PLACE TO BUY NEW & USED EQUIPMENT

TRACTORS
Coming in.....
IH 826 w/ROPS
IH 966 w/WF
IH 340
IH 656 Dsl. w/2060 Loader
IH Super C
IH Super H, Excellent
IH 2500 Industrial Tractor w/Loader
IH 2500 Tractor/Backhoe Loader
IH 1206 Tractor
IH 806 Tractor
IH 706 Tractor
IH 674 D Tractor
IH 656 D Farmall Tractor A-1 Cond.
IH 656 Gas Farmall Tractor
IH 574 D Tractor w/2050 Loader
IH 544 D Tractor Utility Hydro, Ft. Pedal
IH 200 Farmall
Case SC Tractor
Ford 961 Tractor
IH 756 Diesel Tractor
MH #30 Tractor w/Wood Saw
Bobcat #310 Skid Loader, 110 Hrs.
JD 70 Skid Loader
#10 Hydra-Mac Skid Loader

TILLAGE EQUIPMENT
JD 2600 5B Auto Plow Variable Widths
IH 710 4x16 Plow Reset
IH 560 6x16 Plow
JD 720 5B 20" Plow
Oliver 3x14 3 pt. Plow
IH #55 9' Chisel Plow
IH #5500 7' 3 bar Chisel Plow
Brady 7' Pull Chisel Plow
Case 8' Disc
IH 19B Disc
IH 53 4 Row Cultivator
IH 263 2 Row Cultivator
Oliver 10 Ft. Disc
Kewanee 13'6" Wheel Disc
IH #45 12' 3 pt Vibra Shank Harrow

HARVESTERS
Fox 263 3RN C.H.
IH 555 Fg. Harvester
Fox 546 Fg. Harvester
Fox 3300 w/2R Narrow Corn Head
Fox 249 Snapper Head
Fox Custom 90 Fg. Harvester
NH #818 Fg. Harvester
IH #16 Fg. Harv. w/1 row head
IH 650 Fg. Harv. 2R
Brady 722 Flail Chopper
IH #8 Flail Chopper
IH #5 Flail Chopper

WAGONS
NH #6 Fg. Wagon
VanDale 185 Mixer Wagon w/Scales
Coby 4000 Fg. Wagon
Grove Hyd. Wagon, 3 Btr. Roof, Exc.
Grove Fg. Wagon w/7 Ton Gear
Gehl Fg. Wagon w/8 Ton Gear
Brady 512 Feeder Wagon
Badger Fg. Wagon w/Tandem Axle, Roof

SPREADERS
NI 245 Manure Spreader
NI 224 Manure Spreader
NI 218 Manure Spreader
NI 214 Manure Spreader
NH 213 Manure Spreader
IH 540 Manure Spreader
Hawk Bilt #357 Spreader, Exc.
Hesston #1400, 1400 Gal.
Hesston #5110 Spreader 1500 Gal. Very Nice
IHC 550 Spreader
NH 676 Spreader Tandem Axle

CORN PLANTERS
JD 1240 4 Row Corn Planter
IH 400 6R No. Till Corn Planter w/Monitor
IH 400 4R No. Till Corn Planter
IH 56 4 Row Corn Planter

HAY EQUIPMENT
3 Pt. Hitch Stackmover
OMC 590 Sm. Round Baler
NI 456 Big Roll Baler
IH 241 Big Roll Baler
IH 2400 Big Roll Baler
IH 445 Baler w/Thrower
NI 270 Cut/ditioner
NI 279 9' Cut/ditioner
IH 1190 9' Windrower
IH 990 9' Windrower
OMC 216 9' Windrower
OMC 208 9' Windrower
Case 555 9' Windrower
Hesston 10' Hydro Swing Windrower
Hesston 320 AP 9' Windrower
NH 404 Hay Crusher
JD 5' Rotary Mower - Excellent
Mott 3 Pt. Mower
Fisher Hay Tedder PTO
JD 894 Rake
IH 15 Rake
Hesston 12' Header for Hydro Swing Windrower

UNI EQUIPMENT
801 Uni w/818 Combine
702 Uni Cheap
705 Uni
767 Forage Harvester
710 Combine
729 A Shelter
NI 744N Corn Head
770 Feeder House

MISCELLANEOUS
Jamesway 60' Belt Feeder
York 6' Rake 3 pt. w/Scraper
IH 1150 Grinder Mixer
Little Giant 34' Elevator
KW Loader for IH 284
Walsh 300 Gal Sprayer

COMBINES
IH 1460 Combine w/6 row Head
IH 915 Combine w/6R Corn Head
IH 715 Combine w/4R Corn Head
IH 615 Combine w/10' Platform
IH 205 Combine w/13' Platform

Badger

2% Cash And Carry Discount On All Parts

OMC
AVCO NEW IDEA

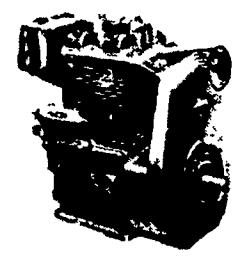
FARM EQUIPMENT

FOR SALE
MF 165
MF 150
MF 2805 w/duals
MF 265
MF 43 corn head
JD 4020
MF 550 combine w/1143 corn head
MF 321 corn head

L & M BURKHOLDER
Ephrata, PA.
717-859-2960
717-859-2712

FARM EQUIPMENT

Allis



Let Us Know Your Service Problems

HOOVER DIESEL SERVICE
PH 717 656 6133
2998 West Newport Rd
Ronks PA 17572

FARM EQUIPMENT

JD 40 Tractor w/3 pt Hitch & 2 R Cultiv.
AC 7045 Tractor
AC 5040 Tractor
AC 185 Tractor
AC 170 Gas Tractor
AC D17 Series #4
8C Hydra-Mac Skid Loader
NI 213 Manure Spreader
NI 212 Sgl. btr. spreader
NI 224 sgl. btr. spreader (10 ton)

ROY H. BUCH INC.
Ephrata
717-859-2441

AVCO NEW IDEA

IH Super C Tractor
IH 200 Tractor
IH 574D Utility Tractor
White 2-60 4WD Tractor w/loader
White 5400 6RN Planter
IH 400 4RW Notill Planter
AC 4RN Notill Planters
New Holland 850 Round Balers
New Idea 290 Mow/ditioner
Case 950 S/P mower conditioner
IH 56 Forage Blower
Fox 425 Forage Haravester w/pickup head
New Idea 324/327 Picker
New Idea 212/217 Manure Spreader
IH 540 Manure Spreader
New Idea 702 Uni-power Unit
New Idea 710 Uni-combine
New Idea 727 Uni-husking Bed
New Idea 711 Uni-grain Platform
New Idea 725 Uni-corn Head
New Idea 729 Uni-sheller
New Idea Uni-Corn Head

R.T. Markle Farm Equipment Inc.
1841 Pine Hall Drive
State College, PA 16801
Phone: 814-237-3141

Ford Tractors Equipment
AVCO NEW IDEA
HESSTON

SPECIAL
New NI 323 Picker

USED EQUIPMENT
Ford 4600 Tractor, 100 hrs
Oliver 1850 Tractor
Bush Hog 12' Disc Harrow
(2) White 5400 4R Planters
Ford 101 3 x 16 Plow
Noble 25' Field Cultivator
NI 402 Rake
Ford 2R 309 Planter
Ford 501 Rr Mower
White 8700 Combine Dsl Hydro, air
White 8600 Combine, dsl hydro, air
NH 320 Baler
1068 Haybuster no-till drill (demo)
Fox 728 2R Corn Head
Fox 425 Fg Harvester w/heads

We are Your Certified Better-Bilt Dealer

STANLEY'S FARM SERVICE
RD Box 46
Klingerstown, PA
717-648-2088

Umberger's Of Fontana

RD4, Lebanon, PA (Fontana) 717-867-5161 or 717-867-2613
Mon.-Thurs. - 7:30-5:00; Fri. - 7:30-8:00; Sat. - 7:30-4:00

OUR DUTCH AUCTION ITEMS WILL SOON BE GONE!

Prices reduced on all items daily (except Sunday) until sold

NEW EQUIPMENT

ITEM	STARTING PRICE	DAILY REDUC.	PRICE ON 1/31
STC - 16 Folding Wing 16 ft. Transport Brillion Field Harrow	$2595.00	$ 3.00	$2100.00
SFH - 113B Glenco 11' 3" Soil Finisher	$7100.00	$ 9.00	$5615.00
New Idea 402 - 5 bar rake w/rubber flex teeth and caster wheel	$2150.00	$ 3.00	$1655.00

USED EQUIPMENT

10 ft. Power Harrow Roteria 3 pt.	$1995.00	$ 3.00	$1500.00
729A Uni Sheller	$3750.00	$ 5.00	$2925.00

USED EQUIPMENT
(2) Gehl 95 Mixer
Gehl 120 Mixer
Gehl 100 Mixer, hydraulic drive, very good cond.
(2) NH #676 Tandem Axle Manure Spreader w/hyd. gate
Ontario 16 Double Disc Drill w/fertz. attch.
Glenco 9 shank Soil Saver, New Blades
MM G 900 Dsl. Tractor, recently overhauled
IH 55 12 Tooth Pull Type Chisel Plow
Used Dion 3 Beater Unloading Wagons w/Roof
Farmall M Tractor, good cond.
JD KBA 32 Blade Transport Disc
12' Midwest Buster Bar

EARLY ORDER BALER TWINE AND SEED OATS

FREE NI 818 COMBINE CALL FOR DETAILS

NEW EQUIPMENT
Hesston #1580 Tractor (130 h.p.) w/cab
Hesston #980 4 Wheel Tractor (90 h.p.) w/cab
Hesston 2240 18' Flat Fold Field Cultivator
Hesston #7600 3RN Self-Propelled Harvester
Glenco 7 and 9 Tooth Stretch Frame Soil Savers
NI 244 Manure Spreader
NI 245 Manure Spreader
802 Uni w/power assist, 838 husking bed and 844 Narrow corn head
Century 500 gal. field sprayer w/35' Boom, tandem axle
Tye 10' no till Drill w/lagoon box and Dura-Flute coulters

SOYBEAN SEMINAR
FEB. 3rd, 1983
10:00 A.M.
To Be Held at our shop.
Light Lunch
Come--Bring a friend.

STRALEY FARM SUPPLY

1760 E. Canal Road Farm - Industrial Equipment
Dover, Pa. 17315 717-292-2631 717-292-4443

Ford Tractors Equipment

Tractors up to 300 HP Interest Free until January 1, 1984

TW10, 110 HP, cab, radio heater & dual power, lease tractor

TRACTORS
Ford 8600
Several Cub Lowboys w/5' mowers
New Ford 3610 diesel w/8x4 synchromess trans., $10,600
New Ford 1900, 4 wh. dr., diesel
2600 Ford, cab, front broom $10,995
5600 Ford, 4 wh. dr., Blue Power Special
5600 Ford 150 hrs. looks sharp
AC D10 w/loader good shape
Ford Jubilee engine good
Ford 800, good shape, 3 pt. hitch
Ford 8N's good rubber, motor good.
Ford compact loader, CL40, 750X15
Ford 4610 8 speed transmission, front weights, roll bar
Gehl Skid loader model HL 3030
New Ford CL 20 diesel engine

EQUIPMENT
Big Dipper front end loader model 672W $1,500
NI 310 pull-type 1 row picker
Ford 1 row mounted corn picker $495
Brady portable hydra mixer, model 1050 $2,495
New IH model 720 forage harvester w/corn & hay head $7,500
New Speedy corn crib, 1200 bu. $795
NH model 975, self-propelled combine, 13' grain head $2,995
New Ford silo blower model 618
Ford chisel plow 131 10 shank $1,595
Chief grain dryer model 250, reduced
Hanson snowblower, 3 pt. hitch, PTO
Cordwood saws, 3 pt.
Platform lift, ideal for hauling your cordwood
Ford & Arps blades, 3 pt.
Kubota snowblower, front mounted
Bomford hydraulic mower, ideal for orchards
Greenline forklifts
Woods rotary cutter model 72

INDUSTRIAL EQUIPMENT
TLB Ford #4500 diesel engine
Ford TLB 550 w/cab, heater, torque converter, real sharp $18,900
Ford Tractor w/forklift model 4000
AC grader w/diesel engine, 6 cyl.
Ford TLB 800 gas engine
Pug Mill
IH truck 550 diesel
Fruehauf 42' drop deck trailer air brakes, year 1976/reduced
Industrial trailers, 2 ton and up
Utility trailers, 2 ton and up

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

SPRITE
AVCO NEW IDEA

FOR SALE

Case tractor, 870, 12 spd., ps trans., good cond., $8600
Stauffer 16' 2 btr. forage box with 8 ton gear, good cond. $990
Dion 60" forage blower, good cond. $1385
Artsway 154-54" forage blower, NEW $1600
N.I. forage blower, model 620, 54"fan, good cond. $875.
NH model 469 mowditioner, $2,560 good cond.
Wic bedding chopper, model 7910, 5 h.p., $1100 (Demo)
NI #323 1 row picker, like new, 90 acres, $4,300
IH #580 manure spreader, hyd. endgate, Gratz chains, good cond. ($3,600, $3,000)
Dunham culti-mulcher, series SOLD 9" rolls, 10'1", good cond., $1575.
JD KBA transport disk harrow, 28 blades, good cond. $950
IH 5100 soybean special grain drill with adj. depth press wheels, new cond., 50 acres, $6,200

HEISEY FARM EQUIPMENT, INC.
RD 1 Jonestown, PA
717-865-4526

MF
Massey Ferguson

USED EQUIPMENT

MF 510 Diesel Combine w/MF 44 Cornhead
MF 750 Diesel Combine w/Cornhead & Grainhead
MF Super 90 Gas Tractor
MF 1105 Tractor
MF 33 Drill, Like New
NI 214 Spreader

NEW EQUIPMENT

MF 205 Tractor
MF 245 Tractor
MF 275 Tractor
MF 294 Tractor
MF 1010 Tractor
MF 2675 Tractor
MF 33 Grain Drills
MF 620 Disk
NI 177 Elevator
NI Manure Spreaders
MF 226 Blade

SPECIALS!
Cash Prices — No Trade
Good Til Jan. 31

MF 39 PLANTER
List $1825 Sale $1100

MF 226 BLADE
List $585 Sale $450

MF 33 DRILL
List $5675 Sale $3900

MF 620 DISK
List $6795 Sale $5150

OPEN HOUSE COMING MARCH 3 & 4 WATCH FOR DETAILS!

N.H. FLICKER & SONS, INC.
Box 68
Maxatawny, PA 19538
215-683-7252

Clay Tank Spreader, Gehl Grinder Mixer, Post Driver, Transport Discs, Manure Spreaders, Dunham Lehr Cultimulcher, Stauffer 2 Row Planter, Cultipackers, Plows - Roll Over, 3-pt. and semi-mount Chisel Plows, 6 Row IH 500 Air Corn Planter with Monitor, Rototillers, Field Cultivators, Stone Rakes, Snow Plows, 3 pt. Blades, Woodsaws, Flail Choppers.

Tractors:

John Deere 5020, 4020, 4010, 3020, 3010, 730, 710, 1010, M
Farmall - 350 Utility, 706, 806, 856, 2606, 2444, 656, 1206, 1468, 1466, 966
Allis-Chalmers - 190XT, 180, D17, D14, D19, G
Ford 8N, 900, Jubilee, 4000, 5000, 6000, 8000
Deutz - 10006, 5505.3 SOLD

Crawlers

JD 440, Case Terratrac 310, AC 655, T340

Keener Equipment Inc.
Located at Intersection of Rts. 72 & 283
1531 Manheim Pike, Lancaster, Pa. 17601
717-569-9861

VEIL ROCK RAKES

There is nothing tougher than these 1¼" Square Spring Steel Tines.

TAKE THE HARD WORK OUT OF HANDLING ROCKS

Rake the rocks on a pile with a rock rake, then take the front end loader & load the rocks.

The Low Cost System
10% DISCOUNT ON ALL CASH SALES

HOOVER'S ROCK EQUIPMENT
RD 1 Box 56, Clark Run Rd.
Blain, PA 17006 717-536-3597
No Sunday Sales

VAN DALE

- Van Dale Products
  - All New Magna-Trac Ring Drive
  - Silo Unloaders 10' - 30' New & Rebuilt
  - Bunk Feeders - Belt Auger and Shaker
  - Conveyors - Auger & Single Chain
- T.M.R. Van Dale Mixer-Feeders - 4 Auger
  - Truck Mounts
  - Trailer Mounts
  - Stationary Units
  - 40 Cows to 400 Cows
- Liquid Manure Spreaders
  - 1500 Gal to 4500 Gal
  - Soil Injectors
- Liquid Manure Pumps
  - Agitator-Filler • Centrifugal • Lagoon
- Uebler Electric Forage & Grain Carts
- Uebler 810 Gas Cart
- Uebler U-Blend™ TMR Forage Carts

UEBLER

- Red Top Stainless Steel Trough Cattle Waterers
- Sollenberger Poured Concrete Silos Top or Bottom Unloading
- Lancaster Stave Silos
- Double Chain Wood Conveyors w/Slip Clutch & ¾" Bottom
- Taper Board Feeders & Belt Feeders
- Circle Feed Supplement Bins
- Hedlund Vaughan Chopper Pumps
- Farmaster TMR Tumble Blenders

LEASING AVAILABLE • SALES & SERVICE

K & S INC.
RD 1 Quarryville, PA 17566
PH: 717-284-3111

Ford Tractors Equipment
SPERRY NEW HOLLAND

TRACTORS

Ford TW10, Cab 20.8 x 38 tires, full set of weights
Ford 8600 w/cab
Ford 8000
Ford 7000
Ford 1200 w/Loader
Ford 1100 repossessed 4WD w/loader
Ford 445 Backhoe Loader Repossessed
Ford 545 Backhoe Loader Repossessed
Ford 535 Tractor/Loader/Backhoe
(2) Ford 9N
Case 800 dsl.
Case DC
Case 680 C Tractor/Loader
Massey Harris 44
JD 2510

EQUIPMENT

NH 489 Haybine
NH 479 Haybine
NH 469 Haybine
NH 78 Baler w/thrower
JD 1209 Mower Cond.
NI Wheel Rake
NH 516 sgl. btr. spreader
JD spreader
Lawn & Garden Tractors w/Mowers & Snow Blowers

CHARLES S. SNYDER INC.
RD3 Tamaqua, PA 18252
Phone: 717-386-5945

FARM EQUIPMENT FOR SALE BY OWNER
Call 717-345-6153 after 5 PM (Sch. Co.)

MF 410 Combine & 14' Grain Head (1972)
MF Model 43 Corn Head
2-New Holland Galvanized Gravity Wagons
320 Gal. Sprayer - Alum. Tank, 28' Booms, Gas Powered Cent. Pump, Trlr. Type
Bush Hog Chisel Plow - 5 Shank High Clearance, Spring Loaded
JD MT Tractor - Plow - Mounted Cult. - 2 Row Corn Planter
32' Grain Auger 6" Dia. 5 HP B&S Engine (Transport)
32' NI Grain/Hay Elevator 1 HP Elec. Motor
Ford 311 4 Row Corn Planter - Insect. Hoppers - Extra Plates
NI Model 7 Corn Picker
9' IH Transport Disc
10' Transport Harrow
Ford 8½ Ton Running Gear
3 Running Gears
Ontario 13 Double Disc Grain Drill on Rubber
MC-Deering 10 Hoe Grain Drill on Steel
NH Belt Driven Silo Blower
Sears Belt Driven Corn Sheller
1 Row Potato Planter
Potato Digger - 3 Pt. Conveyor Type
NH 68 Baler For Parts
20' Grain Auger 4" Dia.
11' Grain Auger 4" Dia. & Elec. Motor
3 Pt. Tool Bar Type Cultivator
Sawmill Cut Walnut Boards - All Sizes

NEW TRACTORS

JD 1050
JD 2440
(2) JD 2940 $20,000 ea.
JD 4240 QR, SG Body $35,000
JD 125 Ski Steer Loaders, Dsl. & Gas
JD 90 Skid Steer Loaders

NEW MACHINERY

JD 445 Spreaders
JD 235 19' Disc $10,000
JD 1209 Mower Conditioner $7000
JD 2700 5x18 Plow
JD 1250 Plow 3x16 $1800 N/T
JD 1250 Plow 4x16 $2450.95
JD 7000 Conservation Corn Planters 4R & 6R
JD 16x10 FF Drill $4000
JD 327 Baler w/ejector

USED MACHINERY

1981 White Combine #7300 w/704N 4 Row Corn Head $30,000
1-JD 55 Combine, 235 C.H. and 12' Platform $5000
JD 400 Tractor Model 1981 w/60 mower and Peco grass catcher $5300
1-Yazoo Tractor and Mower Model 35 $2800
1-JD 4620 Tractor, new paint, new tires on rear, year round cab $15,000
JD 7020 Tractor $16,000
IHC 460 Tractor, Backhoe Loader $8,500
AC 6080 Dsl. Tractor, 239 hrs., like new $18,500
1979 Ford 7700 Tractor, cab w/heater Call
JD 70 Skid Steer Loader
JD 90 Skid Steer Loader
2-18x4x30-8 Ply Tires and wheels for Gleaner Combine $500
JD 800 SP Windrower $3200
JD 1500 Power Till Seeder $4000

WALTER'S SALES & SERVICE, INC.
JOHN DEERE
RD2 Box 49
Mifflinburg, Pa.
717-966-3778
JD Agricultural Dealer and CP

NEED SOMEONE WHO CAN FILL THE SHOES?
Try A Help Wanted Ad In Classified.
Phone: 717-394-3047 or 717-626-1164

USED TRACTORS

AC 7000 Cab & Air, 200 Cab & Air, 180D, 175, 5040, D19, D17, D15, B
IHC Super M wide front end, H, 464, 364, 230, 140, Cubs
JD 3020 w/cab, 1520, 420, 60
MF 135 Gas & Diesel, 30 Gas, Ind 165 w/cab & Heavy duty power angle blade, 203 D w/loader
FORD 3600 w/cab, 821 Gas w/loader
AC D17 Gas w/loader, D 17D w/loader, 160 D w/loader
IHC 504 w/loader
KUBOTA 295 DP w/loader
Over 150 NEW & USED Tractors to select from

TRACTOR LOADER BACKHOES

Case 580, Gas, JD 300 Diesel

LOG SKIDDERS

440 B Gear Drive, 2 440A Gear Drives

USED MANURE SPREADERS

NI 14A, 17, JD-R wide spread-ground drive, NI 212 flail w/manual gate, 212 Flail w/ Hyd. gate, 211 Flail
NI 243 Single Beater w/hyd. gate, T chain & flotation tires 250 bu. $4250.00
NH 512 w/hyd. gate, 368 Barrel spreader
Badger 800 gal, Van Dale 3000 gal. liquid - truck mount, Hawk Bilt 157 & 207 Barrel spreaders
NEW STARLINE Dairy & Feetlot-Barrel Spreaders, HAWK BILT 2195's Hyd. Slide top spreaders
Over 50 Units to select from - Give us a call on your needs.

GRINDER MIXERS

IHC 1150, Gehl 120 Mix All, MX 100 - Very good cond.
FARMHAND Regrinder blower

MISCELLANEOUS

Several types of Bale Roll-A-bout Feeders, Large Bale movers 3 pt. hitch, 3 pt. hitch Carry Alls, New and Used Hay and Grain Elevators, Case 350 Dozer Diesel
6 way blade and winch, scraping for parts - excellent buy.
Weaverline 330 Electric Silage Cart
NI 323 1 row Corn Picker $3250.00
NI 325 2 row Narrow Picker $4975.00
NH 38 Flail Chopper - like new

NEW & USED SNOW PLOWS

Over 100 Units to select from for Tractors, front end loaders and Pickups

Snow Blowers

3 pt. hitch, 3 pt. blades. Large selection of NEW double ring Tractor Chains

WOOD CUTTERS

New 3 pt. hitch Farmi Winches, Danhuser & Kubota Wood Splitters
Little Giant Splitters - Special $645.00
3 pt. hitch PTO WoodSaws - Special $495.00

THINK SPRING!!!

Used 3 pt. to semi mt. plows 2, 3, 4, 5 btms.
IHC Plow 4 btm 18" Reset, FORD 140 Plow 4 btm 18" reset $2695.00
FORD 3 x spinner plow - hyd., rot. trip beams
AC 2000 Plows, 4 & 5 btm, 16" reset, 3 pt. hitch Chisel plows - v g c
Pittsburgh 8' 3 pt. Disk, Bush Hog 10' plowing Disk
Grain Drills - IHC & Ontario
12' Brillion roller, New & Used 8' & 10' Brillion Cultipacker Seeders
2 Row 3 pt. hitch vegetable Transplanter, 1 row Trailer vegetable transplanter

THIS WEEK'S SPECIALS

Used Catepillar 90 HP pwr. unit, skid mtd., 2300 hours price at only $1975.
VAN DALE Liquid Manure Spreader - 1500 gal. Tandem Vacuum Tank $6250
Be Sure to attend our spring inventory reduction sale, April 2, 1983
IHC 58 Log Skidder - Good economy Skidder $5975.00
For Sale or Trade - 1977 Ford tilt bed, F350 truck, 4 sp. trans., 50,000 miles w/Jerrdan 15' roll back body, very good cond.

MARSHALL MACHINERY INC.
Sales and Service
AC, NI, HESSTON, KUBOTA
Located in Northeastern, Pa.
5 Miles East of Honesdale, Pa.
on Rte. 652
Phone 717-729-7117

MESSICK'S

Farm Equipment Is Our Business

1953-1983 30th Anniversary

PREVIEW

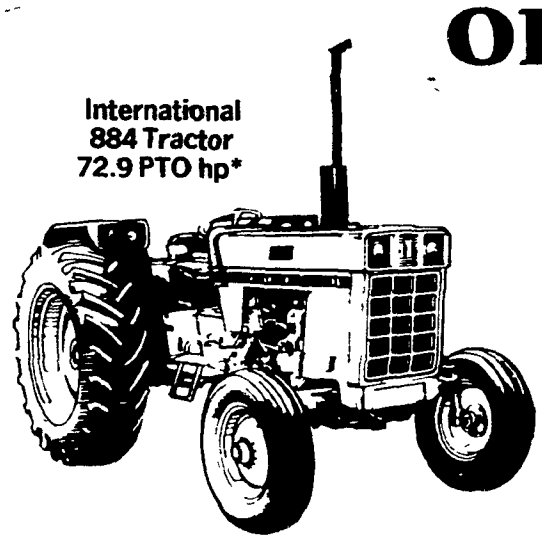
of our

30th ANNIVERSARY SPECIALS

and

OPEN HOUSE DAYS

February 9-10-11-12



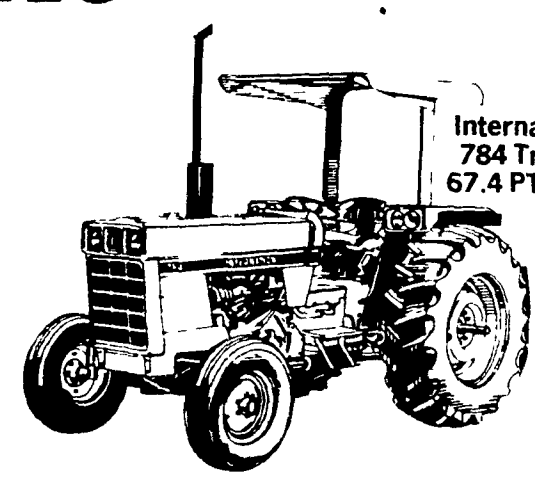
International 884 Tractor 72.9 PTO hp*

MAKE A DEAL WITH US

START THE NEW YEAR RIGHT!

International The NO. 1

- Standard torque amplifier transmission
- Independent 540/1000 PTO
- 16 F/8R Speeds
- On the go shifting
- Hydraulic disc brakes
- Planetary final drive
- 3 Point draft sensing hitch
- Optional - Rear Wheel sizes 15.5x38 18.4x30



International 784 Tractor 67.4 PTO hp*

Early to Bed — Early To Rise

See the 800 No Till Planter

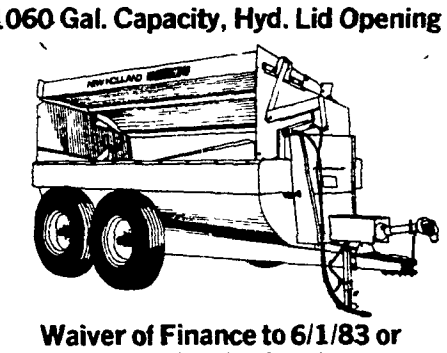
Early Riser Planters — TWO YEAR WARRANTY

4 & 6 ROW PLANTERS IN STOCK, READY TO GO

RENT ME or I'M FOR SALE

NH L445 LOADER, Gas or Diesel

Free Finance Till April 1, 1983 or Cash Rebate



N.H. MODEL 668 SPREADER

1060 Gal. Capacity, Hyd. Lid Opening

Waiver of Finance to 6/1/83 or Rebates For Cash of $150

NEW HOLLAND

5% INTEREST

On All New Holland Equipment

Ends Monday, January 31, 1983

30th ANNIVERSARY —SPECIALS—

A Big 30% DISCOUNT On Many Parts

FEBRUARY 7-12

	List	30% SPECIAL
• 16" Rock Share	$15.23	$10.66
• 18" Rock Share	$15.32	$10.72
• 16" Deep Suck Share	$15.23	$10.66
• 18" Deep Suck Share	$15.32	$10.72
• Earth Metal Shin	$9.84	$6.88
• E.M. Moldboard	$66.43	$46.50
• Rev. Chisel Point	$5.01	$3.51
• Rev. Pencil Point	$3.43	$2.40
• 18" E.M. Disc	$16.50	$11.55
• 20" E.M. Disc	$26.70	$18.69
• 22" E.M. Disc	$34.03	$23.82
• 24" E.M. Disc	$37.45	$26.22

200 amp boost, tapering charge, with amp meter.

30-AMP BATTERY CHARGER

	List	30% SPECIAL
30 AMP	$152.12	$106.48
10 AMP	$64.52	$45.16

AM/FM Push button Fender Mount Radio

All solid state construction Rust-resistant housing

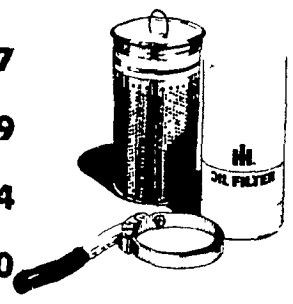
List	30% SPECIAL
$148.95	$104.27

LEVER GREASE GUN

Takes cartridges or bulk.

List	30% SPECIAL
$8.87	$6.21

- 74 & 84 Series Engine Oil Filter $8.39 less 30% $5.87
- A,B,C,H Engine Oil Filter $3.98 Less 30% $2.79
- 460, 560, 656 Hydraulic Filter $11.63 Less 30% $8.14
- 66, 86, 88 Series Hydraulic Filter $5.43 Less 30% $3.80



Plus Many Others

GOOD CLEAN USED EQUIPMENT

TRACTORS

IH 656D Tractor

HAY EQUIPMENT

IH 37 Baler w/Thwr.
IH 430 Baler & Thrower
N.I. Mower Conditioner, Like New
NH 68 Baler
NH 67 Baler
NH 65 Baler
NH 53 Thrower to Fit 273, 275 Baler
Int. 1190 Mower Conditioner
NH 851 Auto. Wrap Round Baler, Fully Equipped
NH 320 Baler w/70 Thrower, Ex. Cond.
NH 320 Baler, 1 Yr. Old
NH 479 Haybine
NH 56 Rake
NH 1469 Self-Prop. Haybine
IH 15 Hay Rake
NH 258 Hyd. Drive Rake with Dolly Wheel (Excellent)
NH 258 Rake w/Rubber Teeth (Excellent)

SKID LOADERS

NH L425 Skid Loader, Excellent Cond SAVE $$$
NH L35G Skid Loader
NH L775 Diesel Skid Loader, Like New, Only 365 Hrs.

TILLAGE EQUIPMENT

IH 45 Vibra Shank, 12 Ft.
IH 370 Disc Harrow 11 Ft. 6" Cut
Brillion 10 Ft. Packer
Brillion 16 Ft. Transport Harrow
Brillion 10 Ft. Transport Harrow
Athens 18 Ft. Disk Harrow
Glencoe 13 Shank Chisel Plow
Bush Hog 10 Tooth Shank Chisel Plow
JD 40 Spreader
Brillion 12 Ft. Cultimulcher

SPREADERS

REPOSSED NH 800 15 Ton Spreaders w/Hyd. Gate, Fine Pan, Top Beater, Excellent Cond.
JD 790 Tank Spreader
NH 345 Tank Spreader
NI 200 Bu. Single Beater Spreader
NH 676 Spreader w/Top Beater 8 Ton Tandem Axle
NH 346 Tank w/Hyd Lid Opener

MISCELLANEOUS

Bush Hog 5 ft. Rotary Cutter Trailing
Woods Model 72 Rotary Cutter
Several Used Cub Cadets
NH 354 Grinder Mixer, 100 Bu.

HARVESTING EQUIPMENT

Fox Model 2310 w/H D PTO Electric Power Sharpener, 2 Row New Style Corn Head & Pickup Attach Only Used ½ Season
NH Model 30 Blower, 1000 R P M
NH 717 Harvester, 2 Row Narrow Head
NH 717 N2 Narrow Row Corn Head
NH 718 Forage Harvester, 2 Row Corn Head & Pickup Attachment, Ex., Cond
NH #8 Forage Box, High Side, 3 Beater, Roof
IH 56 Blower, Heavy Duty PTO
NH 36 Crop Chopper
NH 25 Whirl-a-Feed Blower

PLANTERS

IH 449-4 Row
Tye No-Till Grain Drill w/Coulters & Press Wheels Ready to go! Like New.
Int. 800, 6 Row w/No Till, Fully Equipped

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	List	SALE
IH Grease w/Cartridge	$1.22	99¢

	55 Gal. List	55 Gal. SALE	5 Gal. List	5 Gal. SALE
Hy-Tran	$317.00	$246.00	$31.00	$24.23
No. 1 Diesel	$327.00	$254.40	$32.00	$25.02
Low Ash	$334.00	$260.40	$32.65	$25.50

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For Sale

1980 JD 6620 combine w/13' grain head, excellent condition, 560 hours,

PRICED TO SELL AT
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- Case 930 Tractor "CK"
- Case 430
- David Brown 990 w Loader
- Oliver 500
- Oliver 880
- Oliver 1750
- White 2-105 Tractor
- Int 656 Tractor

LOADERS
- Case 1816 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- Dunham Lehr No 2 Loader
- IH 3200 Skid Loader

TILLAGE
- Case 6-Bot. Plow, 20"
- Case Disc Harrow, 10'
- Case Disc Harrow, 12'
- JD 12' Disc Harrow
- Oliver 2 Bot Trailer Plows
- Oliver 4 Bot Semi-Mtd Plow
- Used Cultipacker

HARVESTING EQUIPMENT
- Case 600 Combine w/3-Row Head
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 709 Uni-System
- NI 315 Gathering Unit
- NI 316 Husker
- NI 315 Sheller
- NI 729A Sheller
- NI 767 Super Chopper
- NI 737 Cornhead
- NI 323 1-Row Corn picker
- NI 2-Row Cornpicker
- Int Mtd. Picker, 2 Row
- IH 550 Harvester w/Pickup
- JD No 25 Harvester
- Case 300 Harvester
- JD Chopper
- NH 717 Harvester
- Kools Forage Blower
- Gehl 1200 Harvester w/pickup and 2-row cornhead

HAY EQUIPMENT
- NH 488 Windrower
- NH 469 Windrower
- Hesston PT 10
- Hesston 1090 Win drower
- Dump Rake
- 3 pt Hookup Mower
- Bale Thrower Wagon
- Case Hay Rake
- NI Hay Rake
- NI 456 Round Baler
- JD 14T Baler w/thrower

MISCELLANEOUS
- Ford 4-Row Corn Planter
- IH 400 Corn Planter, 8 Row
- 8 Used Spreaders
- Potato Grader

SPECIAL
• 8 USED WINDROWERS!
• NI 456 Round Baler
Was $8,500
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J.D. No. 755 Crawler Loader, 961 hrs.
J.D. No. 310 Backhoe
I.H. NO. 886 Tractor Roll-Guard, 825 hrs.
I.H. 186 Hydro Tractor w/Cab, Air & Heater, 1429 Hrs.
I.H. 1486 Tractor w/Cab & Air, 1470 hrs.
J.D. 5440 S.P. 4-Wheel Drive Forage Harvester, 3 Row 30" Corn Head, 6 Ft. Windrow Attachment
J.D. 6600 Hillside Combine w/15 ft. Flex Head, 6 Row 30" Corn Head
J.D. 8440 Tractor w/Dual 20.8x38 Tires, P.T.O. & 3 Pt. Hitch
I.H. No. 70 Hydro w/Fast Hitch, 1758 hrs.
J.D. No. 440 Offset Disk - 12 ft.
J.D. New No. 1610 Chisel Plow - 23 ft. folding wing
J.D. No. 716 Forage Wagon
J.D. No. 714 Forage Wagon
Badger 16 ft. Forage Wagon
I.H. 6-Row Air Corn Planter w/Ferilizer Auger
New Easy Trail 10-Ton Wagon w/550 Bushel Gravity Box
I.H. 8-Ton Wagons w/230 & 330 Bushel Gravity Box
J.D. 3 Pt. Hitch Fertilizer Spreader
Cardinal 16 ft. Aluminum Elevator w/Carriage
3 Johnson 2250 Gal. Liquid N. Tanks w/Valves
New Ritchie Water Fountains, all sizes
Used Pride of Farm Water Fountains w/heaters
Cement Water Troughs
300 Gallon Skid Tank w/Valve
New Palco Cattle Scale 3,000 lb. Capacity
DMC Hi-Capacity Grain Cleaner No. 40
Red Arrow 30 Ton Hydraulic Shop Press

NEW TIRES IN STOCK
NEW BF GOODRICH
New Wagon Tires
11 - 1000x15-8 ply, List $102.20, Sale $60.00
12 - 1000x15-12 ply, List $123.60, Sale $75.00

— REAL ESTATE —
1 Brick Garage Building in Pillow on Main Street 135' x 45' wide w/upstairs apartment.

MISCELLANEOUS
50 Bags Instant Dry for Shop, Reg. $7.95, Sale $4.95
Sawed Locust Posts
Heavy Duty Steel Fence Posts
Farm Gates - All Sizes
No. 50 Bag Aureo Crumbles, 700 List $24.95, Sale $17.95
No. 50 Bag Aureo Crumbles, 2 gram, Reg. $14.99, Sale $12.40
No. 50 Bag Tramisol Cattle Wormer Pellets, Reg. $19.90, Sale $16.70

TRUCKLOAD SALE ON SALT
80 lb. Plain Salt, Reg. $5.40, Sale $3.95
80 lb. Bag T.M., Reg. $5.95, Sale $4.95
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Model CPP-10 Brillion Mtd. 10' Chisel Plow...
With 3 Pt. Hookup, Category II With 10 Heavy Duty Shanks & Spring Clamp Assemblies, Reversible Twisted Shovels and Gauge Wheel Kit!

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January Special
20% Discount on all NH parts in stock, 10% Discount on all other parts & service

NEW EQUIPMENT IN STOCK
MF 540 diesel combine
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MF 1144 corn head
MF 1163 corn head
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MF 15' table w/floating cutter bar
MF 13' UII reel
MF 15' UII reel
MF 520 disk, 22" 12' scraper
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Du-al 200 bu. manure spreader, upper beater, hydraulic liquid endgate front spill guard, $4,650.
Woodsman saw
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Caretree tree diggers
Skinner tree planters
Husqvarna chain saws
Conde vacuum pump
Woods M5 5' 3 pt. hitch mower
Vicon 4 and 5 wheel rakes
Vicon PS 202 fertilizer spreader
MF 39 planter
MF 468 planter

USED EQUIPMENT
Beaver 4 wheel drive tractor w/42" mower
MF 760 combine 16' Corn & grain head
MF 510 diesel combine
MF 300 gas combine w/2 row corn head & 13' grain head
MF 24, 33, 43, 44 corn heads
Heavy duty front end loader for a Ford or Ferguson, excellent condition.
Ford 9N gas tractor
MF 165 diesel tractor
Ford 901 tractor
Vicon mower conditioner
MC 7' rotary scythe
NH 468 haybine
NH 479 haybine
Hesston PT 10 haybine
MF 10 baler
MF 12 baler w/thrower
MF 81 haybine
NH 275 baler w/thrower
NH 275 baler
NH 285 baler
NH 800 forage harvester
Ford 612 forage harvester w/2 row corn head & 2 row pickup head
MF 468 planter
JD 4020 diesel tractor
Bobcat Melroe 700 skid steer loader
NI front end loader w/dirt and manure buckets

Renting skid steer loaders.

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BALDWIN ELECTRIC MOTOR DIVISION, INC.
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IH F-1256 D TRACTOR
$10,600

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IH F1066D
IH F140
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IH F544
IH F806D
IH F1256
MF 255
JD 8430 4WD
Ford 900
Oliver 550 w/Loader
IH 300 Utility

Plows
IH 211 2F 16"
IH 311 3F 16"
IH 312 Plow
IH 411 4F
IH 560 Plow
IH 700 6F Auto. Reset
IH 412
3F Trailing Plow
MF 5F 14" Mounted
JD 3 pt. 3F Plow
Ford 5F 18"
Oliver 2F Trailing

Tillage
IH 45 Vibra Shank
IH 475 D.H., 17'6"
IH 122 Mtd. Disc Harrow
Lely Power Harrow
JD KBA Disc

Planters & Drills
IH 449 Planter
IH 500 Planter, 6 Row
Pittsburgh 4-Row 3-pt. Cultivator
IH 400 Cyclo, 6 row, N
IH 400 Cyclo 4 Row
JD 494 Planter
JD 15x7 Drill
JD FB 177B Drill, 17x7
MF 468 4-R Planter
MF 4 Row Cult.
Ontario 13x7 Drill
IH 510, 13 x 7

Skid Loaders
Bobcat 743
Case 1530
IH 3200
Gehl 2600

Combines & Cornheads
NI 725 Cornhead
IH 91
IH 127
IH 715 Combine
IH 227 Corn Head
IH 429 Corn Head
IH 744 Corn Head
MF 35 Combine

Hay Machines
IH 27V Mower
IH Cub 222 Mower
JD 14T Baler
AC 303 Baler
NH 282 Baler
NI Mower
NI 290 Mower Conditioner
NI 402 Rake
MF Rake

Forage Equipment
IH 550 For. Harv.
IH 650 Forage Harvester
IH 56 Blower
JD 6 Harvester
JD 34 Harvester w/2 Heads
JD 16A Flail Chopper
IH Hay Pickup 550/650
IH Direct Cut 350
AC 780 Harvester
Fox 546 Harvester
NH Flail Chopper
NH 717
IH 42 Blower
NH 23 Blower
NH 25 Blower

Pickers
Oliver 5 Picker
IH 234 Mtd.

Lawn & Garden
Power King 42" Snow Blade
IH Cadet 60 Riding Mower
IH 122 Cadet w/mower
Snow Blowers
Gravely Sickle Mower
Bolens G10 w/Mower
JD 110 w/Mower and Snow Thrower
Sears 10 HP w/Mower
Snapper Comet riding mower
Trac Vac 580 Lawn Vac

Miscellaneous
Sauder 7 ft. Snow Blade
IH 1850 Loader
IH 2000 Loader
IH 2450 Loader
IH 175 Spreader
IH 540 Spreader
NI 214 Spreader
Waldron Dozer Blade w/IH or JD Mountings
NH 346 Tank Spreader
Winco 1500 Generator
Danuser 8 Ft. Blade 3 pt.
Akey M50 Mini Spreader
NI 12A Spreader
Buck Saw
Hawk Bilt 187

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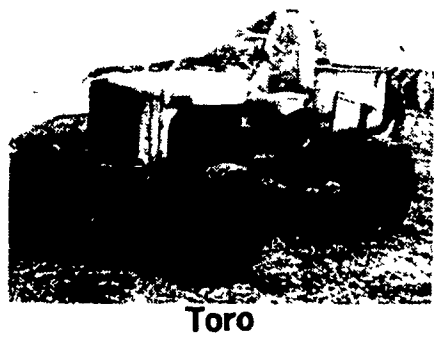
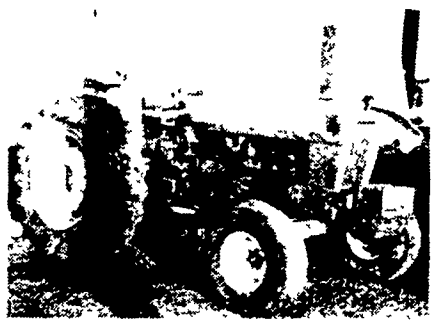
LANCASTER FORD

USED TRACTORS

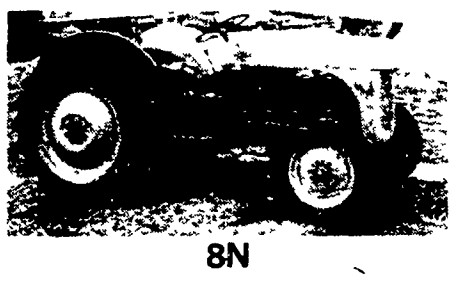


Toro



6600 Diesel

5000 w/Cab



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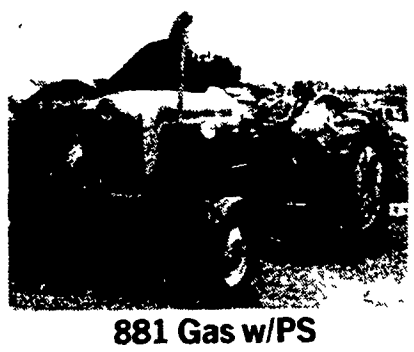
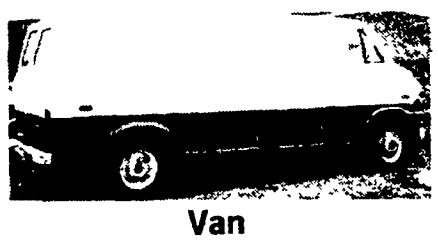


881 Gas w/PS



Van

7000 Diesel

4000 Diesel

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3200 GALLON RENTAL LIQUID TANK WITH INJECTORS ... $7500

NH 519, 679, 791, Flat Bed Spreaders
NH 367 210 bu. tank spreader, hyd. lid
NH Mowers, Rakes, and Wagons

USED EQUIPMENT

NH 354 Grinder Mixer w/20' Auger..... $3350
NH 365 Flail Spreader, good..... $2000
NH 518 Spreader w/gate..... $1750
JD 44 Spreader 3 btr..... $350
NH 1895 SP Fg. Harv. w/ 3R Low Profile Head $41,000
NH 479 Haybine..... $2,290
NH 1469 SP Haybine, Ford PU ... $3575
NH 273 PTO Baler, Ld. Chute.... $1550
NH 273 Engine Baler, Ld. Chute.. $2475
NH 269 Baler w/thrower..... $1575
Ford 250 PTO Baler..... $475

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JD 3020G PS
JD 3020 w/cab
IH 1086 w/cab 1180 hrs.
MF 1080 Diesel
White 2-85 w/cab
MM 1050 (sell for parts)

COMBINES

1977 MF 750, 1700 hrs. 2 heads
1978 JD 6600 Sidehill
1979 JD 6620 Sidehill
JD 4 and 6 Row Corn Heads
1980 MF 760 338 hrs. w/2 heads
JD 45 w/2 heads

TILLAGE

JD 210 13' Disc
AC 3100 10' Offset Disc
JD 1450 4x16 Plow
JD 1450 5x16 Plow
JD 145 4x16 Plow
JD 145 5x16 Plow
AC 5x16 Semi Plow
JD 1600 10' Chisel Plow

PLANTERS

JD 6 Row 7000 Conserv. w/Liquid Fert..... $9000
JD 6 Row 7000 Consev. Dry Fert. $7500
JD 6 Row 7000 Maxi-Merge no-till and reconditioned $9000
JD 6 Row 7000 Maxi-Merge no-till $5700
JD 4 Row Consv. Dry Fert..... $7500
White 5400 4 Row $3600
IH 400 4 Row $1000
IH 4 Row Pull type..... $500
MF 468 4 Row $1000
MF 468 6 Row $2000

MISCELLANEOUS

Better Bilt 800 Vac. Tank, Like New
JD 750 Grinder Mixer

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Used Deutz D10006, 105 h p, $11,000
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Used homemade hay tedder $400

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D4507 Deutz tractor, 45 h p
D6207 Deutz tractor, 62 h.p
D6807 Deutz Tractor, 68 h p
D7807 Deutz tractor, 74 h p
DX 130 Deutz tractor w/cab & air, 121 h p
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JD 650 Tractor
JD 750 Tractor
JD 950 Tractor
JD 1050 Tractor
JD 2040 Tractor
JD 714 Forage Boxes
JD 1075 Running Gears
JD 1207, 1209 Mower Conditioners
Hesston 1014 Hyd. Swing Conditioner
JD 1710 Mulch Tiller
Bush Hog 1432 10½' Disc

USED EQUIPMENT

AC C & WC Tractors
Farmall MD, Super M Tractors
JD B Tractor
JD 520 Tractor
JD 720 Tractor
JD 3010 RCU Tractor
Ford 8N Tractor
Cub Frt. Mtd. Blade
JD 494A Planter
IHC 315 Mulch Packer
IHC 540, 550 4B Plows
JD F125 6B Plow
Ferguson 2B Plow
JD AW Disc 12'
Woods Cadet 60 Pull Type Mower
NH 6' Cutter
JD 507 Cutter
MF 41 Sickle Bar 3 pt. Mower
Mayrath 40' Elevator
NI Hay Rakes on steel
Myers Snowblade
Valk ST80 Snowblade

USED COMBINES

JD 95 w/platform
JD 434 corn hd.
AC C2 w/platform
AC 4R corn hd.
JD 45 w/platform
Plus other new and used equipment

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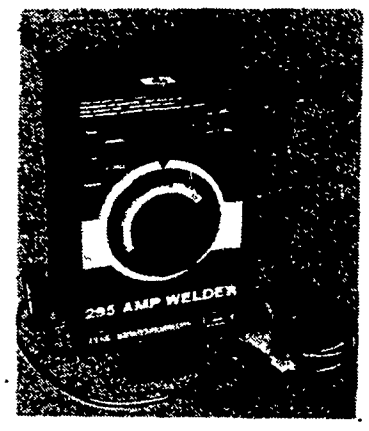
IH SUPER SAVING TIME

Erb & Henry's Part S Mart Specials

We have IH welders



250 amp welder
Versatile AC-DC welder lets you weld in any position, with any electrode made. Welds with DC reverse polarity, DC straight polarity, or AC current Includes same equipment as 295 amp welder plus electrical junction box. Wheel kit not included 1131 077 R1.

Only **$419.95**

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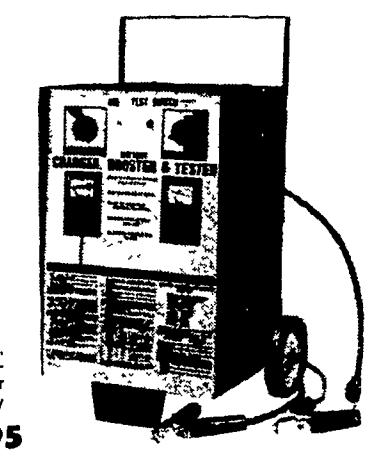
80-amp battery charger, booster and tester only
$249.95

- Charges to 80 amps, boosts to 300 amps
- Tests alternators, battery charge, 7 other tests
- Exclusive dual meter design
- Timer
- Rugged construction
- Part number, 1131 855 R1



10-amp battery charger
Here's the perfect charger for home, farm, and lawn and garden and recreational equipment needs Indicator shows battery charge rate 3-way switch 407 389 R92

Only **$46.95**

15-amp charger and booster
Gives you either fast charge—15 amps on 6 and 12 volt batteries—or overnight charge—5 amps for 12 volt batteries Booster up to 100 amps for starting 407 390 R92

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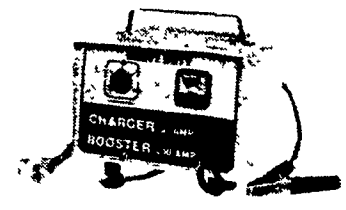

30-amp heavy-duty charger and booster
Fast charge delivers 30 amps, slow charge 5 amps Booster up to 200 amps 407 391 R92

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All Hay Equipment Free Finance until 6/1/83

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SNH #718 Forage Harvester w/#822 corn head $8,000
SNH #25 Blower $1,600

HAY

SNH #451 Mower w/7' Cutter Bar $1,860
SNH #472 Haybine $5,875
MF #124 Baler $5,000

SPREADERS

SNH 679 Spreader w/splash guard, fine manure pan and hyd. end gate $5,550
SNH #301 Liquid Spreader, 540 Drive w/soil ejector & coulters ..... This Week Only $8,000

Don't be fooled by lower prices on "will-fit" parts. The management of other brand dealerships recognize the value put into genuine Sperry New Holland parts and service.

This is what made Sperry New Holland the leader and No. 1 in hay and forage equipment. When a problem arises or you need parts or service, call your authorized Sperry New Holland dealer.

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"PLOW THROUGH WITH A NEW MEYERS SNOW PLOW"

Plow sizes in STOCK!

(2) - 84", (2) - 90", (1) - 120"

Blades fit any make tractors. $500.00 Saving!

"CALL TODAY!"

TRACTORS
JD 4020 D
JD 3020 D
(2) JD 2010 G
JD 60 w/237 2-row picker
JD 60
MF 1105D w/cab
MF 1100 D
MF 180 D w/loader
MF 180 D
MF 50 D
MF 30 w/loader
White 2-50 D
Oliver 550
Oliver 55 D
Farmall 656 D
Farmall 560 D
Farmall 460 D
Farmall 400
Farmall H
Ford 801
Ford 800
MM G1000 D
Case 630 w/loader
Case 300
AC 7040 PS, w/cab
AC 7020 PS, w/cab
AC 7000 D w/cab
AC 190XT D w/cab
AC 185 D
AC 175 D
AC 5040 D
AC D19
AC WD45
AC WD

TILLAGE
JD 15' Mulcher
JD 8' Disc
AC 80 Snap Coupler 3B-16", 3 pt.
Oliver 5B Spring Trip Plow
Oliver 6B Spring Trip Plow
Oliver 3B - 3 pt. hitch Plow
MF 13' Transport Disc
JD 9' Transport Disc
JD 11' Transport Disc

BALERS
NH 68 w/53A Thrower
NH 269 w/53A Thrower
NH 271 w/ w/Thrower
NH 320
JD 336 & Kicker
MF 10 w/Thrower
IH 56 w/Thrower

MANURE SPREADERS & MISC.
NH 676, 285 BU.
NH 516
NH 475
NH 175 BU.
NI 218, 325 BU.
NI 214, 206 BU.
(2) NI 213, 176 BU.
Badger 205, 200 BU.
Weaverline 224 Electric Feed Cart, 30 Bu.
Weaverline 223 Electric Feed Cart, 24 BU.

COMBINES
JD 8820 w/950 hrs., cab, air & heat, 15' floating grain, 830 corn heads, like NEW!
JD 55 Super w/cab, 12' grain & 330 corn heads
JD 55 w/12' grain & 338 corn heads
JD 45 w/both heads
JD 45 w/grain head
NH 975 w/11' grain & 238 corn heads
MF 300 w/11' grain & 238 corn heads
MF 82 w/grain & corn heads
NI Uni-System 702 w/717 combine, 4-row corn head
NI 767 Chopper w/702 2-Row Corn Head & 761 Pick Up Head
Gleaner N5 w/15' floating grain & 630 corn heads.
Gleaner MKS w/13' grain & 630 corn heads.
Gleaner F2 w/15' Grain & 4 row corn heads
Gleaner CII w/13' grain & 438 corn heads
Gleaner AII w/cab & both heads
Gleaner AII w/12' grain head
(3) Gleaner E w/cab & both heads

HAYBINES
(2) NH 469
(2) NH 479
NH 1469 Self Propelled
NH 461
AC 904

"SPECIALS"	List	CASH
NH 0D200 Disc-10' w/26" Blades	$11,500.00	$8,550.00
NH 0D200 Disc-12' w/26' Blades	$12,500.00	$9,550.00

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FEBRUARY 14 THROUGH FEBRUARY 18

* Demonstrations, Displays, Free Prizes
* 10% Discount On All Parts Sales Plus 2% Cash
* Twine On Sale
* Delicious Lunch Will Be Served On February 14th

INTERNATIONAL® AGRICULTURAL EQUIPMENT

NEW TRACTOR SPECIALS

IH 784 4 wh. dr. w/TA
IH 3688 w/rops and 18.4x38 tires
IH 3688 w/cab & 18.4x38 tires
IH 5088 w/cab and 20.8x38 tires
IH 3088 w/16.9x38 tires
IH 784 w/TA
IH 684 w/TA

NEW EQUIPMENT SPECIALS

TILLAGE
IH 510 4F 18" plow
IH 720 6F 18" plow
IH 5500 Chisel plows
IH 475 12' disk
IH 415 12' packer mulcher
IH 4500 12' vibra shank cultivator

HAY AND FORAGE
IH 1190 9' mower cond.
IH 600 forage blower
IH 120 forage box
IH 881 forage harvester w/hds.

PLANTING EQUIPMENT
IH 5100 16x7 drill w/out fert.

SPREADERS & MISCELLANEOUS
IH 540 spreader 185 bu.
IH 550 spreader 215 bu.
IH 560 Spreader 245 bu.
IH 30' 8' blade
IH 40' 8' blade
IH 2250 loaders

ALL EQUIPMENT ON STOCK

USED TRACTORS

IH 186 D w/cab hydro nice .. $22,500
IH 806 D w/3 pt. $8500
MF 1080 D ..... Coming In
IH F 300 Gas w/2 pt. $1750

USED CORN HARVESTING & COMBINE EQUIPMENT

IH Sheller for 234 Picker $950
Fox 1 Row Corn Head for a 546 . $150

USED HAY EQUIPMENT

IH 990 7' mower conditioner .. $1750
IH 37 Baler w/thrower $1800
IH 27 Baler w/thrower $1500
NH 469 mower cond. $2350
Hesston 1010 10' hydro-swing mower cond. $3500
NH 1 row Snapper head, 470 harv., (like new) $1450
NH 770 Forage Harvester w/2 RW narrow head and pick-up unit $5250
IH 2 rw wide and narrow head for 720 and 830 harvesters $1650
IH 45 Table Blower $200
IH 120 Mower (Balanced Head) . $650
Brady 6' Stalk Cutter $450
Waiver of finance until 6-1-83

Waiver of finance until 6-1-83

USED TILLAGE

IH 315 - 12' packer mulcher w/cyl. $2150
Ford 142 Auto. Reset, 5F, 18" . $2250
IH 401 16' Harrow $600
Athens 8 Tooth rnted. chisel plow $1250
Leley Roterra 12' $950
IH 60 3F 14" trailer plow $375
IH 550 5F 16" plow $1250
IH 710 5F 16" plow w/cyl. $2250
IH 37 10' disk $750

SPREADERS AND MISC.

Hawk Bilt 2195 Flail (New) spreader w/hyd lid $5350
NI Model 211 Spreader (Nice) . $1350
NI Elevator $200

USED PLANTERS AND DRILLS

IH 510 16x7 D.D. Comb. drill.. $3550
IH 56 4 row $1250
IH 400 4 row 38" $1500
JD 494 A w/new hoppers $1350
IH 400 6 R 30" Planter, w/insect $4500

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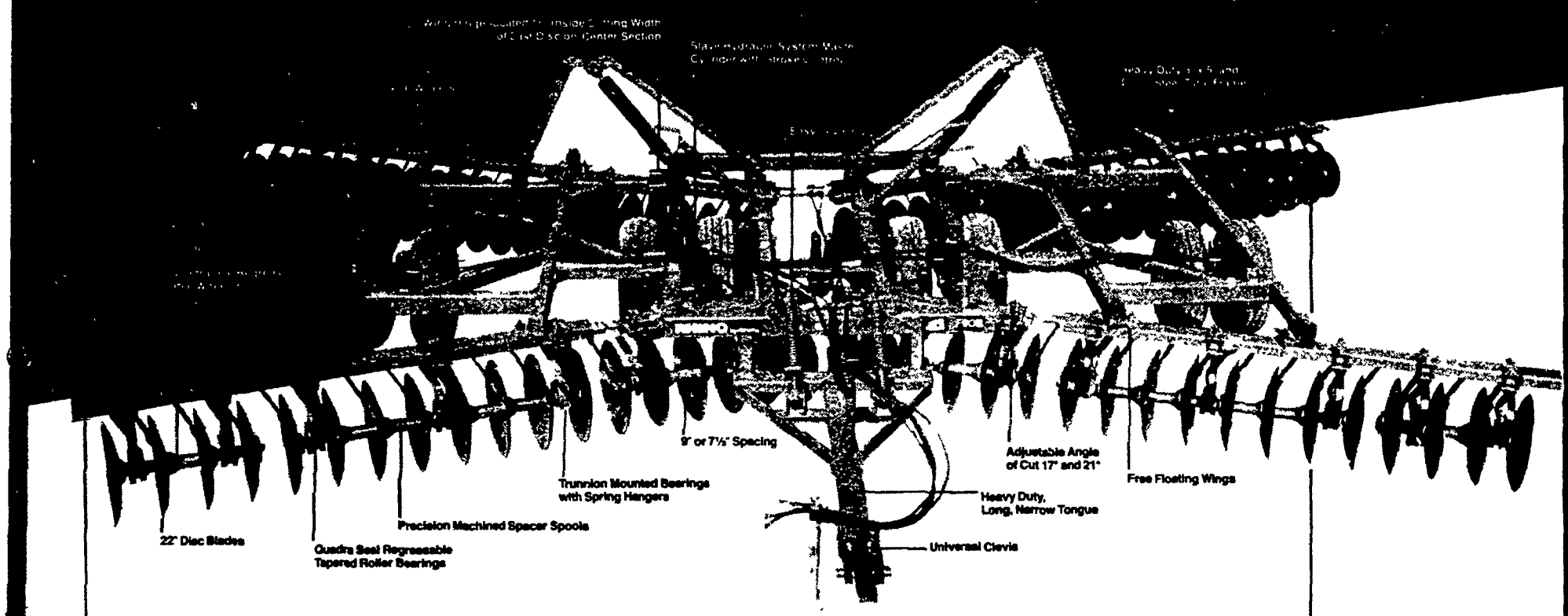
RHINO by Athens

Compare the Disk with any other... you'll buy a RHINO. It's your best investment.

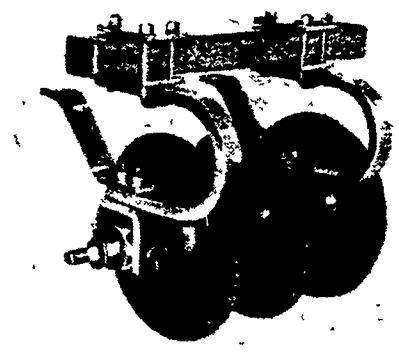

9" or 7½" Spacing
Adjustable Angle of Cut 17° and 21°
Free Floating Wings
Trunnion Mounted Bearings with Spring Hangers
Heavy Duty, Long, Narrow Tongue
Precision Machined Spacer Spools
22" Disc Blades
Quadra Seal Regreasable Tapered Roller Bearings
Universal Clevis

NOTICE: NEVER! NEVER! BUY A DISK HARROW BEFORE YOU CHECK THE UNMATCHABLE SUPERFOLD EXCLUSIVE AT OUR BEST PRICE!

NOTICE! If You Incorporate Chemicals, Rhino Flex 90B Has An Exclusive Disk Blade Spacing Which Is Very Important! 7½" or 9" Disk Blade Spacing OR A Combination 9" Front 7½" Rear, Which Is Better For Chemical Incorporation.

Don't Settle For Less, Get The Best, At A Much Better Price!

Very Important Features You Should Consider:

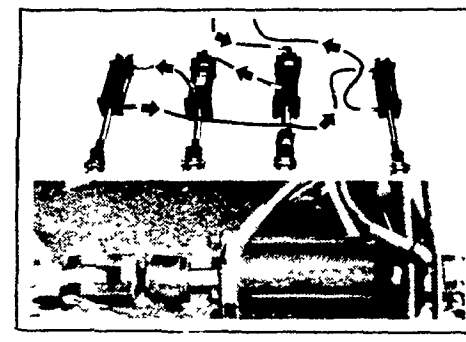


Spring Bearing Hangers reduce shockloads to the blade, axles, bearings and frame when working in fields with rocks or stumps. The Rhino 1" x 2" spring bearing hangers provide maximum strength, add protection, and reduce downtime expenses. The Rhino Quadraseal gang bearings are trunnion mounted to the spring bearing hangers to allow the gangs to flex freely without undue stress being placed on the gang axle.

More Bearing Width Means MORE SUPPORT And A 2 Year Guarantee

Guaranteed Quadraseal Bearings. The unique Rhino double-row tapered roller bearing is guaranteed for two years and provides greater life and dependability than competitive bearings. The Quadraseal double row tapered roller bearings offer more capacity than single row ball bearings With this extra capacity, the probability of overloading — even when discing at maximum angle — is virtually eliminated. The double-row bearing has a triple-lip seal that runs on a hardened, polished surface and has a heavy steel seal protecting washer to protect the seal from damage due to wire and trash. Between the steel washer and the seal is a cavity filled with grease — an additional sealing element against dirt. The double-row tapered roller bearing is mounted into a rugged cast iron housing which is trunnion-mounted to a spring bearing hanger As the trunnion-mounted bearing housing pivots, the bearings and axles remain in perfect alignment and the gangs roll freely. This bearing package is designed to give years of trouble free, long life operation.

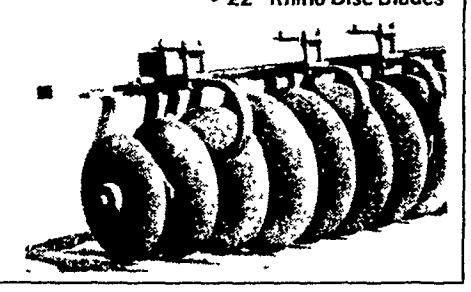
It's The Best!



Slave Hydraulics — Adjustable Depth Control. Slave hydraulics provide simultaneous action of all cylinders when raising or lowering. This action assures you of a uniform plowing depth, no matter what the soil conditions might be Plowing depth can be set precisely by adjustment of a depth stop on the master cylinder

All gang components are shipped completely assembled. No matter what your tillage needs are, the Flex 90B can be equipped to handle your requirements

- **22" Rhino Disc Blades**
- **Heavy Duty Scrapers**
- **Tapered Discs/Cover Discs.** Three disc blades of step-down pattern from 22" to 20" to 18" and the 16" cover disc, on the rear gangs, give you a smooth, level, ridge-free job Another RHINO advantage It's all standard equipment.



Wing Flotation. Rhino Flex 90B wings are hinged so that they provide uniform weight distribution and flex freely to follow the ground contour for uniform plowing. For better side-to-side leveling, the wing hinges are mounted 16" inside the center section to give a more parallel flexing action between center section and wing disc blades.

Heavy Duty Cut & Unmatchable Leveling At Prices You Can Afford

Discount Program Extended...Check These Prices

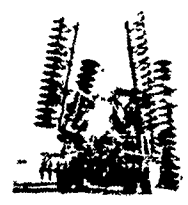
- 15 Foot, 9" Spacing Front & Rear Gangs,
  Reg. Price...$12,190 ..... SPECIAL SALE PRICE
- 16 Foot, 9" Spacing Front 7½ Rear
  Reg. Price...$12,761 ..... SPECIAL SALE PRICE
- 18'10" 9" Spacing Front 7½ Rear
  Reg. Price...$13,353 ..... SPECIAL SALE PRICE
- 19 Foot, 9" Front and Rear Gangs
  Reg. Price...$12,864 ..... SPECIAL SALE PRICE
- 20'9" 9" Spacing Front & Rear Gangs
  Reg. Price...$14,302 ..... SPECIAL SALE PRICE
- 22'2", 9" Spacing Front & Rear Gangs
  Reg. Price...$14,666 ..... SPECIAL SALE PRICE
- 25 Foot, 9" Spacing Front & Rear
  Reg. Price...$15,809 ..... SPECIAL SALE PRICE
- 26 Foot, 9" Spacing Front & Rear
  Reg. Price...$16,587 ..... SPECIAL SALE PRICE

STOP OR CALL AND GET A GOOD DEAL

LARGER AND OTHER SIZES AVAILABLE

SUPER FOLD NARROW TRANSPORT WIDTH

Narrow lanes and bridges should no longer be a problem when transporting the RHINO 90B.



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Case 580C Loader Backhoe, 1979, 921 Original Hours, Powe Shuttle Forward and Reverse w/Torque C erter, 14' Backhoe, Cab and Heater, 17.5 l Tires

Case 970, , Air Conditioning and Heater. 1970 Model ainted White. 4,800 Hours, Engine uses no oil. Power Shift Transmission, 540 & 1000 RPM PTO, Dual Remotes, 18.4x34 Rear Tires w/80% Tread.

Allis Chalmers XT190, 540 PTO Dual Remotes, 18.4x34 Tires w/Good Tread.

2090 Case Tractor 504 Cubic Inch Diesel Engine, 1979 Model, Cab, Air Conditioning, Heater, Power Shift Transmission, 20.8x38 Rear Tires w/60% Tread, Front Weights, Turbo Charged, 1460 Hours.

M.F. 1085 Diesel Tractor, 1973 Model, Excellent Sheet Metal and General Condition. 2,800 Hours, Only 300 Hours on Rebuilt Eng. 540-1000 PTO, 16.9x38 Rear Tires w/60% Tread.

4020 John Deere, Side Console, Front Weights, Rollbar w/Canopy, Synchro Shift, Rebuilt Engine, New Paint, 18.4x38 Tires, Outstanding General Appearance.

IH 1066 Engine Completely Rebuilt 2 Years Ago w/Water Filter Kit Installed New TA, 18.4x38 Rear Tires 90% Tread, Full Set of Front Weights, 540 & 1000 RPM PTO, Good Metal & Paint.

B-414 IH Diesel Utility Tractor, 1964 Model, 38 HP 3,000-4,000 Hours, Power Steering 540 PTO, 4 Sp and Hi-Lo, 13.6x28 Rear Tires 80% Tread.

Case 830 Gas Tractor, Eagle Hitch, Case-O-Matic Drive, Torque Converter 8 Sp. Transmission, 1963 Model, New Rings and Bearings, 540 PTO, 15.5x38 Tires, Good Battery, Good Brakes.

1466 IH Cab, Air, Heater, 1971 Model, 18.4x38 60% Tread, Dual Remotes, 1000 RPM PTO, New Ring & Sleeves.

180 Massey Ferguson 1968, 3766 Hours, Wide Front Power Steering, Multi Power Dual Remotes, 6 Front Wts., 15.5x38 Rear Tires.

275 Massey Ferguson 1975, 1300 Hrs., 15.5x38 Rear Tires 50% Tread, Power Adj. Rear Wts.

Case 1200 65 HP, 3431 Hrs., Diesel Eng., 18.4x30 Tires.

White 4-150 4 WD 2387 Hrs., Cat 3208 Eng. Only 500 on Factory Rebuilt Engine, Cab, Air, Heater, PTO 3 Pt. Hitch, 18 Sp. Transmission, 3 Remotes, 18.4x34 Tires with 50% Tread.

Case 530 Diesel with Rebuilt Eng.

G900 MM Diesel, 1968, 540-1000 PTO, 4 Sp w/Hi-Lo Eng. Rebuilt 500 Hours Ago, 18.4x38 Tires.

Case 1175 16.9x38 Tires with Duals approx. 2200 Hours, 1975 Model.

Field Queen Self Propelled Forage Harvester, 1972 Model, 3160 V8 Cat Eng., Hydrostatic Drive, Cab, Excellent Rubber, 2 Row Wide Corn Head and Pickup.

Case L Tractor, Runs Good, Belt Pulley on Steel.

Sears 10 HP Riding Lawn Mower w/36" Deck.

(2) Gehl 4500 Skid Loaders 40 HP 65 Fertilizer Buckets, 600 & 900 Hrs.

1200A Owatonna Skid Loader, 30 HP Rebuilt Wisconsin Eng.

330 Owatonna 24 HP Hydrostatic Drive.

1845 Case Gas Uniloader, 1975 Model, approx. 2200 Hrs., 73" Bucket.

1845 Case Diesel Uniloader 1975 Model, New Flotation Tires, New Paint, 2300 Hrs., 73" Utility Bucket.

1830 Case Uniloader, 520 Hrs., Flotation Tires. We will furnish new bucket any size.

1830 Case Uniloader 541 Hrs., 1979 Model, 60" Dirt Bucket.

Case 1816 Uniloader 1976, 44" Bucket.

Case 1816B Uniloader 1979 Rebuilt Engine, 44" Bucket, 1051 Hrs., 8.50x15 Tires.

Ford CL-40 Skid Loader V4 Ford Gas Engine, 60" Bucket, 1728 Hours, 10:00x16.5 Flotation Tires.

Case 1737 Uniloader approx. 37 HP, Case 4 Cyl. Water Cooled Eng. Variable Speed Quick Tach Bucket.

1816B Case Uniloader New Tires, Rebuilt Eng. Your Choice of New Bucket, Serviced. Ready To Go.

Massey Ferguson 12 Foot Heavy Duty Transport Offset Disc w/Lift Cyl. Cutout Blades Front and Rear. Front Blades 23½" Rear 25".

New Dunham Hi Clearance 8 Shank Chisel Plow, Spring Shank Twisted Shovels.

New Knight 180 Bu. PTO Manure Spreader w/Gratz Web.

IH Disc Harrow 20" Blades, 7 Foot Wide, 1 Extra New Blade.

Athens 131 Disc 12'11".

970 Case Tractor 1970 Model, approx. 3000 Hours, 12 Speed Power Shift Transmission, 540-1000 RPM PTO Shaft, 18.4x34 Tires 40% Tread, 4 Front Weights, Cab Model.

1290 Case 53 HP Diesel Eng., 107.8 Hours, 16.9x30 Manual Adj. Rear Wheels, Single Remotes, 8 Months Remaining on Warranty.

586C Case Fork Lift 14 Foot Mast, 721 Hours, Lock Up Kit.

586C Case Fork Lift, 1979 Model, 1079 Hours, 14' Mast.

John Deere 430 Gas, Narrow Front, Runs Nice.

Case 2470 4 Wh. Drive, 1973 Model, Cab, Air, Heater, Rsp. Power Shift, 23.1x30 Front Tires 80% Tread, 23.1x30 Rear Tires with 95% Tread, 2904 Hours, 3 Point Hitch, 1000 RPM PTO, 4 Hydraulic Remotes.

Case 4490 4 Wh. Drive, Cab, Air, Heater, Power Shift Trans., 4 Remotes, 20.8x34 Radial Tires with 90% Tread, 561 Hours, sold new in 1980.

Case 2290 Canopy 8 Sp. Transmission, 129 HP, 23.1x34 Tires, approx. 100 Original Hours.

Case 2870 4 Wh. Drive, 20.8x38 Factory Duals, 3 Pt. Hitch, PTO, 4 Remotes.

Case 1690 Tractor, 45 Hours About 22 Months Remaining of Case Warranty, Cab, Air, Heater, 4 Sp. Power Shift in all 3 Ranges Producing 12 Speeds, 18.4x38 Tires, Dual Remotes, Excellent Condition.

Case 480 Diesel Construction Loader Tractor, Mechanical Forward & Reverse Shuttle Shift, 3 Pt. Mod. Hitch w/Cylinder Top Links can be removed to install backhoe (backhoe not included).

Case 1030 Diesel Tractor, 540 PTO, 18.4x34 Tires, Wide Front Hydraulic Remotes.

White 263 Disc, 19' Wide Manual Wings, 9" Disc Spacing in Front, 7½ Rear Blades measure 17-18" in diameter, Ridgid Bearing Hangers Regreasable Bearings, Dual Wheels on Main Frame, Red Original Paint.

10' Miller Disc Offset Dual Wheels on Main Frame, Cutout Blades Front and Rear 18" in Diameter has Lift and Leveling Cylinders, Good Paint, Has Cover Discs.

Beck #2 Tag-A-Long Trailer large enough to haul 1845 Case Uniloader.

Used Trailer Eager Beaver, 6 Ton with Deck over Wheels, Inspected, 3 Axles.

810 Farmhand 810 Hammermill, 4 Screens.

110 JD Disk, Excellent Blades, Dual Wheels on Frame, Double Offset, Approx. 14' Wide.

New Holland 357 Hammermill, Ground Only About 68 Batches, Folding Auger.

Glencoe Soil Finisher tilled only about 30 acres, Model 129, 12'9" Wide, Like New.

1200 Gehl Harvester Hydraulic & Electric Controls, Knives Good Yet, Hydraulic in Head Sharpner.

JD Log Splitter 24" Stroke, 4" Cylinder, 3 Pt. Hitch.

Brand New Demo 2 Bottom w/14" Bottoms Trash Boards, Coulter, Shear Bolt, Ideal for Small Tractors.

6 ft. Inter. M, 3 Pt. Scraper Blade.

New Pittsburg Drag Spring Harrow, 8 ft. wide.

New Ohio Dump Cart for your Garden Tractor.

New Year-A-Round 3 Pt. Quick Hitch to fit your 3 Pt.

New Holland Hay Pickup Header.

Case Heavy Duty Cat II III Quick Coupler Adjustable Hitch for your 3 pt. Tractor Hitch.

Used IH Transport No. 37 Disk Harrow 11 Ft. Width.

Used IH Model 12 Drag Type Disk Harrow.

Used IH 4 Row 3 Pt. Row Crop Cultivator.

Sauder Loader Mounting Brackets for Ford Tractor.

Used Gehl Model TR600 2 Row Wide Corn Head, Good Cond., Serial #8800.

Gehl Model CB600 Harvester with 2 Row Wide Corn Head with 540 PTO, 11Lx15 Tires, Manual Controls, Hi-Rise Spout Extension ideal to blow in trucks.

Hi Moisture Grinder Blower White-McKee Model CH, Serial #994 with Gravity Flow Hopper 1000 RPM PTO (like new) they do work. New Price $4500 Approx.

Good Used Dunham Cultipacker with 17" Wheels, 11'4" Rolling Width.

New Case Heavy Duty Lawn Sweeper, 11 Bushel Capacity with Large Tractor Wheels.

New Dunham Model Series "2" Quick Attach Off and On Loader with 65" Material Bucket, Less Mt. Bracket.

FINAL NOTICE! For FREE Advertisement On Equipment Brought To Our

PUBLIC CONSIGNMENT AUCTION

to be held on

SAT. FEBRUARY 19, 1983

at

BINKLEY & HURST BROS. INC.

133 Rothsville Station Rd., Lititz, PA

Bring Your Small Tools, Accessories, Loads of Hay and Straw, Corn Fodder, etc.

FINAL NOTICE

We must have your consignment listing by Monday, January 31 in order to be included in our pre-sale listing.

NOTICE! Hauling Services Available
Call (717) 626-4705

SPECIAL OF THE WEEK

CASE 53 H.P. DIESEL TRACTOR

LIKE NEW...ONLY 108 HRS.

Easy service tilt hood, heavy frame ideal for loader application, 16.9x30 rear tires, hydraulic remote

Reg. Book Price..... $18,214

YOU PAY ONLY..... $11,500

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FOR SALE
8 KW PTO generator on wheels, $950
'74 IH cabover sleeper, 318 Detroit, twinscrew, low mileage, 10:20 radial tires, sliding 5th wheel PS, $9500.
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JD 4240 TRACTOR
Exc. cond., cab, air, FM radio, quad range trans., possible financing
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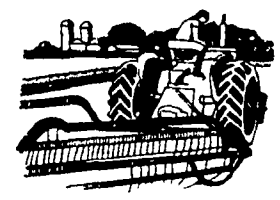
FARM EQUIPMENT

1982 Perkins Diesel 4 Cylinder skid loader engine
DOUG LAMB CONSTRUCTION
717-367-8562

FARM EQUIPMENT



FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

TWO MACHINES IN ONE !

KUHN GRS 21 GYROSTAR

RAKING -
Shift tine arms to horizontal position and lower rear deflectors for fast raking into a high loose windrow with no roping

TEDDING, CONDITIONING -
Set tines in vertical position to pick up and bend stems (to condition) and spread in a wide fluffy swath for faster drying. Also spreads rained-on windrows to speed drying

Covers 10 ft. width Operates at 5 to 7 m.p.h.
Like all Kuhn machines, GYROSTAR is built to perform and built to last

SPEEDS HAYMAKING...

KUHN GF 452 GYROTEDDER

Tines on gear-driven rotors mesh to crimp hay then gently lift, fluff and spread hay for faster curing. Trouble-free operation. No belts or chains. Optional gearbox provides slower rotor speed to produce two light windrows. 17 ft. width Folds to 6 ft. for transport. 3-pt. or trailing models

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case GEHL HESSTON SAME

USED SKID LOADER SPECIALS...

CASE 1845 45 Hp, Diesel Uni-Loader (1979), less Than 1,000 Hrs., Ex. Cond.	$14,995
GEHL 4500 40 Hp, Gas, Skid Steer, Hydrostatic, (1979), Good Cond.	$9,395
CASE 1816 C 16 Hp, Twin Cylinder, Hydrostatic, (1981), 219 Hrs., Like New.	$5,295
GEHL 4400 Gas, Hydrostatic, Low Hours, (1977), New Paint, new Recaps	$7,995
BOBCAT 632 Gas, Hydrostatic, (1979), Good Cond.	$6,295
UNIVERSAL SKID STEER Perkins Diesel Engine, Good Running Condition	$2,895
CASE 1537 37 Hp, Wisconsin Engine, Recap Flotation Tires	$3,595
GEHL 2600 Gas, 25 Hp, Onan Engine, (1982) New, Demo	$5,995
GEHL 360 16 Hp, Onan Twin Cylinder, (1982), New, Demo	$6,895

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PASTURE MAINTENANCE — *Stimulates grass growth* Scatters droppings, helps control parasites, tears out dead growth, aerates for better moisture penetration works in fertilizer F-l-e-x-e-s to cover every inch of the ground
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TILLAGE — Use back of field cultivator (photo) disc spring-tooth, plow or alone — prepares a fine seedbed breaks up crust on hard packed soil Use for first cultivation on corn, beans, etc Covers small grain back of broadcaster

FUERST F-L-E-X-I-B-L-E TINE HARROW®
ADJUSTABLE PENETRATION FOR GREATER VERSATILITY -- HERCULES ILLUSTRATED

MAXIMUM PENETRATION — Tines down pointed slightly back
LIGHT PENETRATION — Tines down pointed further back
SMOOTHING, FLOATING — Tines up pull in either direction
TWO JOBS IN ONE PASS — Front section — maximum penetration rear section — light penetration or floating HERCULES Models only

HERCULES — *Faster and Safer at any Speed!*

Unique tine design and exclusive spreader bars allow much greater speeds, save labor, time and money Others recommend operation at 3½ to 4 m.p.h (at higher speeds they skip, jump and skim the surface loosing effectiveness) See chart for added acreage covered by Hercules

Acres covered per hour at various speeds

Width of Harrow	3 m.p.h.	3½ m.p.h.	4 m.p.h.	*5 m.p.h.	*6 m.p.h.	*7 m.p.h.	*8 m.p.h.
8 ft.	2.4	2.8	3.2	4	4.8	5.6	6.4
10 ft.	3	3.5	4	5	6	7	8
12 ft.	3.6	4.2	4.8	6	7.2	8.4	9.6
16 ft.	4.8	5	6.4	8	9.6	11.2	12.8
20 ft.	6	7	8	10	12	14	16
24 ft.	7.2	8.4	9.6	12	14.4	16.8	19.2

*Only the Fuerst Hercules design allows effective coverage and operation at these higher speeds.

Easy to use, handle, store

Specially designed 7/16" (10.5 mm) steel tines — virtually indestructible No parts to grease, oil, tighten Design and construction assures maximum penetration while f-l-e-x-i-n-g to cover every inch of the ground

Connecting front and rear sections of Hercules Harrow

All models sectionalized for ease of handling Sections roll up for compact storage, transport All FUERST Harrows easily assemble, disassemble without tools if ever needed, parts readily available.

Easy way to transport Hercules Model 12

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MF 3x14 3 pt. mtd. plow	$395
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JD 12' mtd. vibra shank cult.	$1,295
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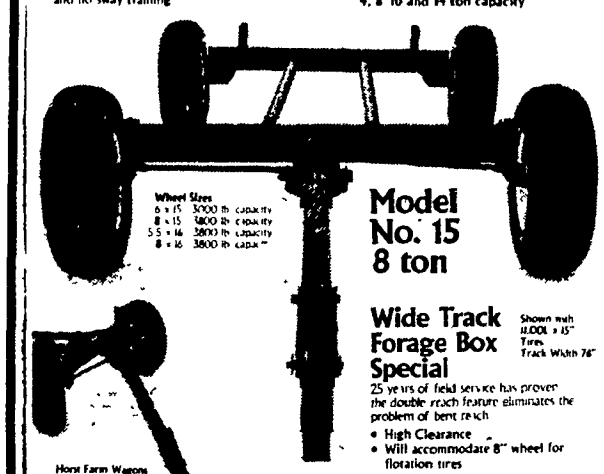
4 models to choose from — 4, 8 10 and 14 ton capacity



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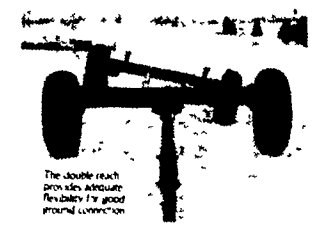

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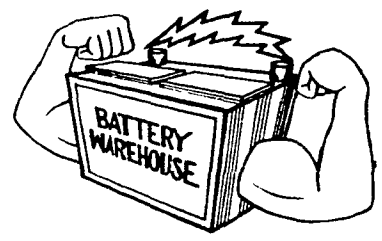

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- John Deere Model 1710 10'-0" mulch tiller
- John Deere Model 2600, 6 - 18" moldboard plow
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- John Deere Model 680 400 bu. manure spreader
- John Deere 200 gal. saddle tanks
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- Westgo 6 row crop cultivator
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- Donahue 8'-0" x 28'-0" equipment trailer
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- Poly tank 1000 gal. on 8 ton running gear w/3hp 1½" Brigg & Stratton pump
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- 4 gal. Basagran
- 12 gal. Paraquat
- 13 gal. Agri Dex
- 3 gal. Weedar MCPA
- 7 gal. Weedar 64
- 4 gal. Mix Aid
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- 27 gal. Bladex 4L
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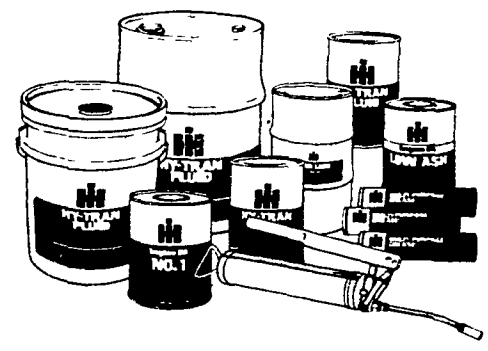

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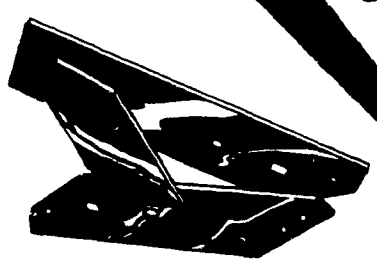

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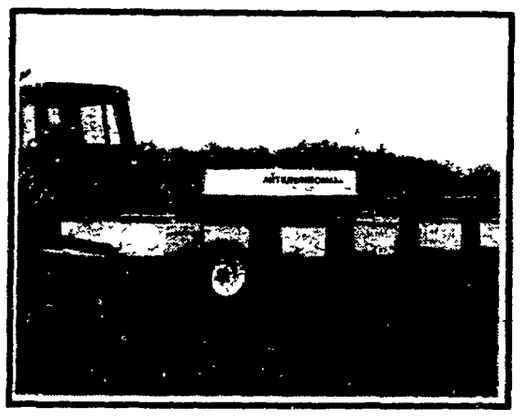

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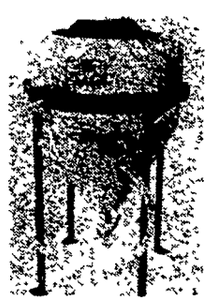

Model S-310W 310 Gallon Tank Capacity

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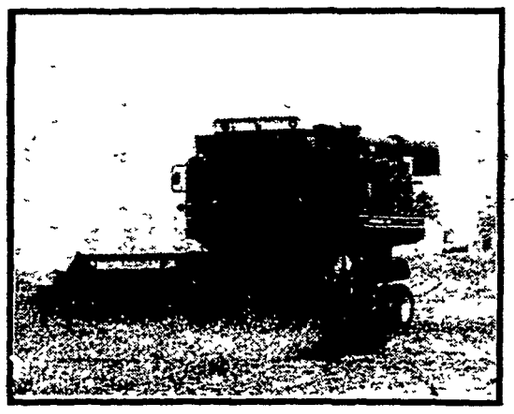
Gallon Field Sprayer
ID MUCH, MUCH MORE

AXIAL-FLOW COMBINE



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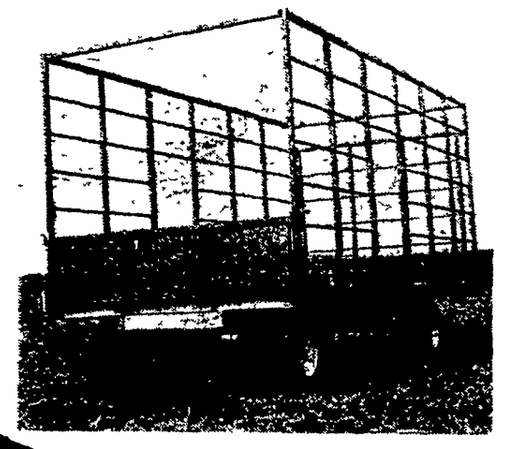
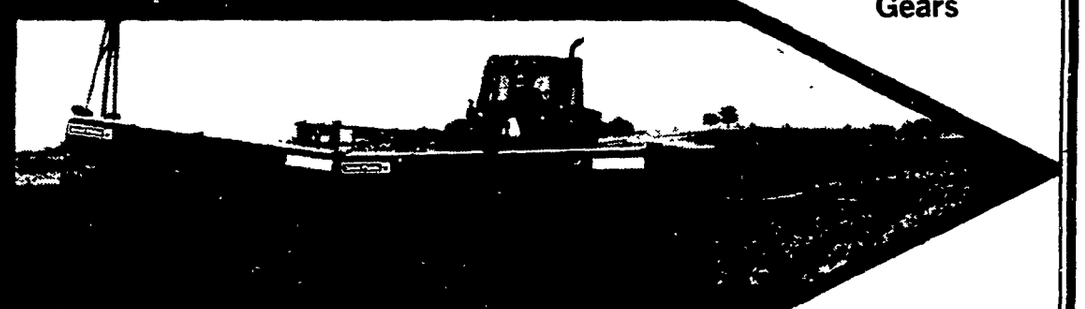


Great Plains

With or Without Running Gears



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24 Ft. and
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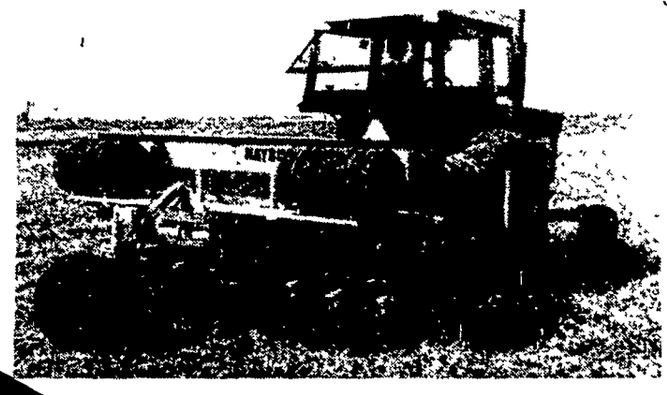

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Model S-310W 310 Gallon Tank Capacity

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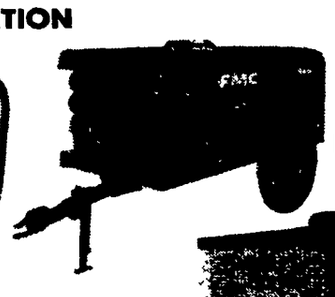
- 2"x Hyd. Motor



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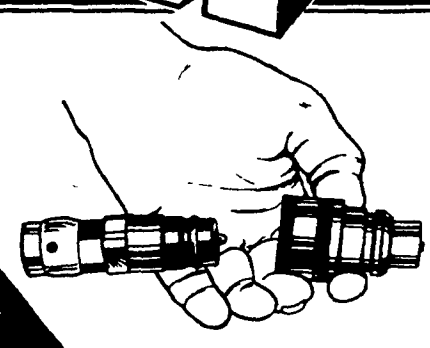
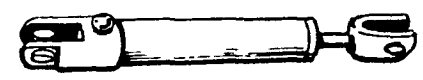


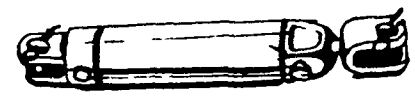
Safe Way

CROSS

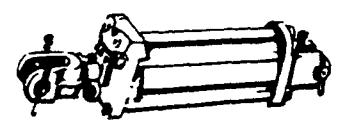


2x8 CYLINDER
Sale $50.96

2½x8 CYLINDER
Sale $54.41



3x8 CYLINDER
Sale $61.13



3½x8 CYLINDER
Sale $73.76

4x8 CYLINDER
Sale $91.01

Hyd. Quick Couplers $8.95

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Fits H M 300, 400

AM-FM FENDER MOUNT
$119.00

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111641C92
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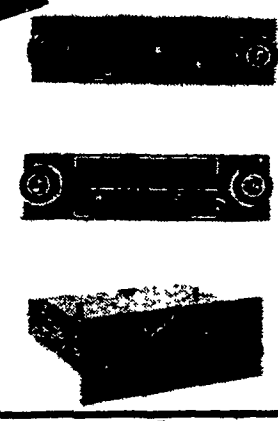

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$13.60

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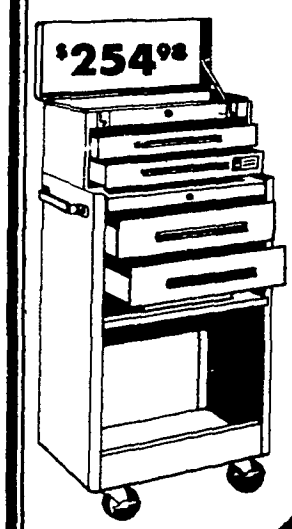
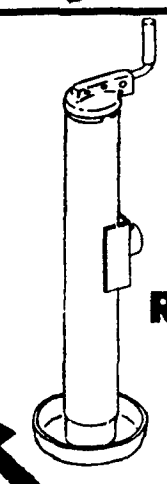


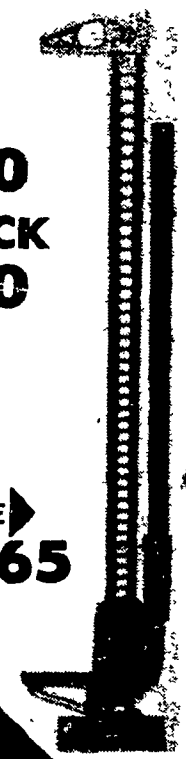
1131079R1
$9.50

1132061R1
1132062R1

SALE



TALL JACK
$10.00
REG. JACK
$15.00



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Lifetime Guarantee
20% OFF ALL TOOLS

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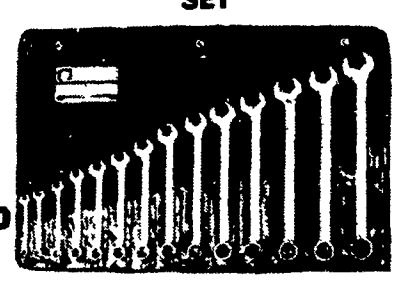
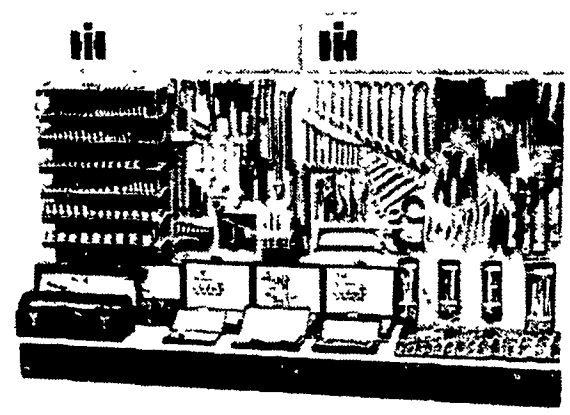
$105.00





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15 PIECE ¾" DRIVE SOCKET SET
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12 row Shoup frame with John Deere Maxi-Merge units and Hiniker No-Till attachments, liquid fert. and monitor
20' Hydraulic drive and folding Allen rake
John Deere 400 - 15 ft. Rotary Hoe
6 row 30" Dunham Lehr Cultivator
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John Deere 6620 Sidehill Combine 6 row 30" corn head and 215 flex head

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NH 363 TANK SPREADER
2 YEARS OLD
$2,250

JD 14' MEDIUM DUTY DISC
$1,650

SHOVER'S
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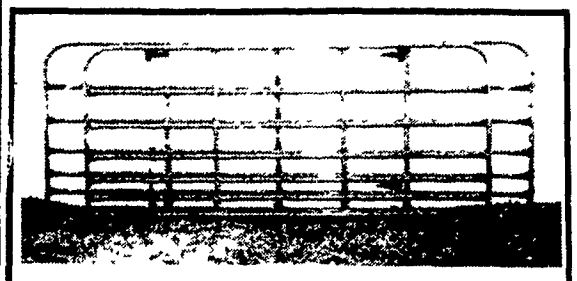

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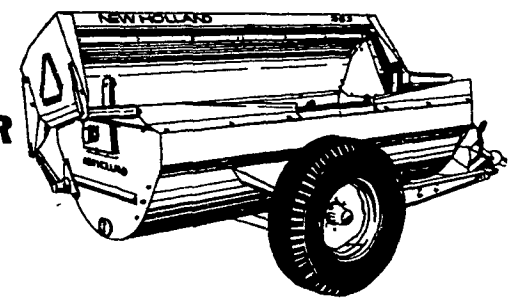
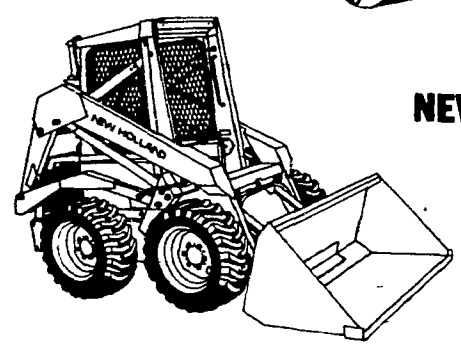
2½ miles East of Leola along Rt. 772

NEW EQUIPMENT IN STOCK

NEW HOLLAND MODEL 363 TANK SPREADER
$4,595





NEW HOLLAND L425 SKID LOADER
$9,995
Rental Unit

Free Finance on Spreaders, Grinder Mixers & Skid Loaders Til June 1, 1983

WHITE FARM EQUIPMENT

WHITE 2-55 Tractor
WHITE 2-65, 2&4 Wheel Drive
WHITE 2-75 Tractor
WHITE 2-85 Tractor
WHITE 2-88 Tractor
WHITE 2-105 Tractor
WHITE 2-110 Tractor
WHITE 2-135 Tractor
WHITE 543, 4 & 6R Planter, No Till
WHITE 5100, 4 & 6R Planter, No Till
WHITE 254 10' 4" Disc
WHITE 348 SAR Plow
WHITE 508 SAR Plow
WHITE 466 Chisel Plow
WHITE 285 Field Cultivator

SPERRY NEW HOLLAND

NH L425 Loader
NH 707, 718, 782, 892 Harvesters
NH 310, 311 & 315 Balers
NH 847 Round Baler
NH 80 Bale Mover
NH 488, 489 & 1495 Haybines
NH 256 & 258 Rakes
NH 38 Crop Chopper
NH 28 & 30 Blowers
NH No. 8 Forage Box
NH 513, 519, 679 Spreaders
NH 363 Tank Spreader
NH TR75 Combine

KUBOTA®	bobcat	
All Sizes In Stock	642 & 743	
WOODS Division of Hesston Corporation	TYE No Till Drill	GLENCOE 7 Tooth Soil Saver

USED EQUIPMENT

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MF 175 w/Loader
Oliver 1750
Oliver 1650 Gas
Oliver 1650 Diesel
Long 350

HAYTOOLS
NH 268 Baler w/Thrower
NH 269 Baler w/Thrower
NH 68 Baler
Oliver 620 Baler w/Thrower
NH 461 Haybine
NH 469 Haybine
Gehl 880 Mower Conditioner
NH 55 Rake

FORAGE TOOLS
NH Super 717 w/1-Row
NH 707 3 pt. Harvester w/1-Row
IHC 16 w/1-Row & Pickup
Kools KB 60 Blower
JD 15A Crop Chopper
NH 36 Crop Chopper

SPREADERS
NI 212 Spreader
NH 367 Tank Spreader, LH

TILLAGE - PLANTING
White 5400 Planter
JD 1240 4-Row w/Monitor
Brillion 14' Transport Harrow
IHC 550 5-16 Plow

CORNPICKERS
IHC 2 MH Cornpicker

SKID LOADERS
NH L35
Owatonna 440 Diesel

COMPACT TRACTORS
Kubota B6000 E w/Woods RM 59 Mower
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If you have a problem in tractors, all brands, concerning stiff hydraulic, differential, hydrostatic or wet brake system slipping.
We can solve it on your farm.
Also very good on automatic transmission slipping or sticking reverse.

Reasonable Rates
Must inquire to appreciate
Will travel any distance

F & S Service
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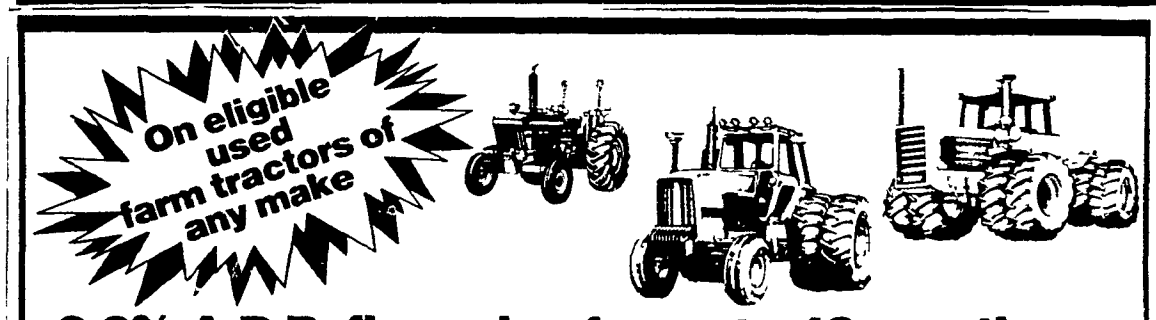

8.8% A.P.R. financing for up to 42 months . . . or waiver-of-finance-charges until June 1, 1983.

All offers valid Jan. 1 thru Feb. 28, 1983

If you buy one of our eligible used farm tractors any make between December 1 and December 31 1982 you can choose 8 8% A P R financing for up to 42 months or an optional waiver-of finance-charges from date of purchase until June 1 1983 Purchase must be financed through J I Case Credit Corporation

USED EQUIPMENT

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'79 Case 1210 p.s.
AC 7080 Cab-Air-Heat
Case 1070 18.4x38 (New) Power Shift
Case 1370 Cab-Air-Heat 24.5x32 Radio
Case 1090 18.4x38 (New) Power Shift
Case 1170 Cab-Heat-8 5 Spd. 20.8x38 (New)
Case 900 w/Pulley
Case 2090 Cab

LOADERS
1530 Uni Loader
Uni Loader Broom
Mustang 330
1845 G
Case 580 Backhoe

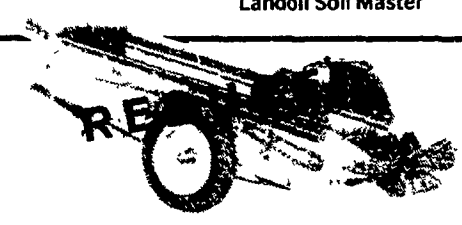
NEW IDEA
206 Spreaders
325/314 Picker Sheller
323 Pickers
214 Spreader
218 Spreader
325/327 Corn Picker

MISCELLANEOUS
Ford 101 Plow
NH Lime Drill
Case 12' Disc Harrow
NH 371 Flail Spreader
Case Auger Elevator
MF 880 6, 7Btm, plow
Wetmore 878 Grinder Mixer
Case 555 Mower Conditioner
Bush Hog 12' disc
IH 40 Stalk shredder
Martin Vanguard
Landoll Soil Master

FORAGE
JD 65 Blower
Stauffer Forage Box
Fox HA Harvester
Gehl 910 Forage Box
JD 3800 Harvester
NH 27 Blower
Hesston Blower
JD 115 Forage Box
Gehl 99 Blower

UNI-SYSTEM
710 Combine
743 N Head
702 G Power Unit
702 D Power Unit
767 Harvester
738 4RN Head

206 GROUND DRIVE SPREADERS IN STOCK



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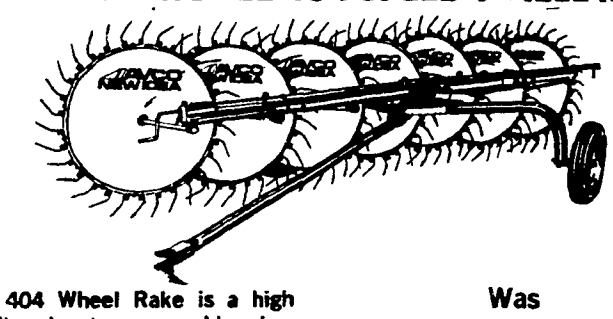
10% CASH PARTS DISCOUNT - DETAILS TO FOLLOW

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

Winter Specials...

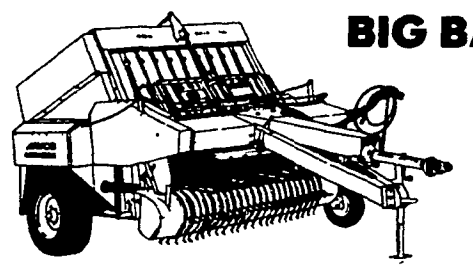
NEW IDEA MODEL 404 SPEED WHEEL RAKE



The 404 Wheel Rake is a high quality rake at a reasonable price. Rakes fast and clean in any field... smooth, uneven, contoured or hilly. Plus, it costs less to buy and less to maintain.

Was ~~$1,150~~

TRUCKLOAD SPECIAL **$1050**



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BUY NOW AT DISCOUNT OR RENT FOR $5 PER BALE!

Buy An 800 Series Uni-Tractor Plus One Attachment...

GET COMBINE FREE!

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BRICKERVILLE EQUIPMENT

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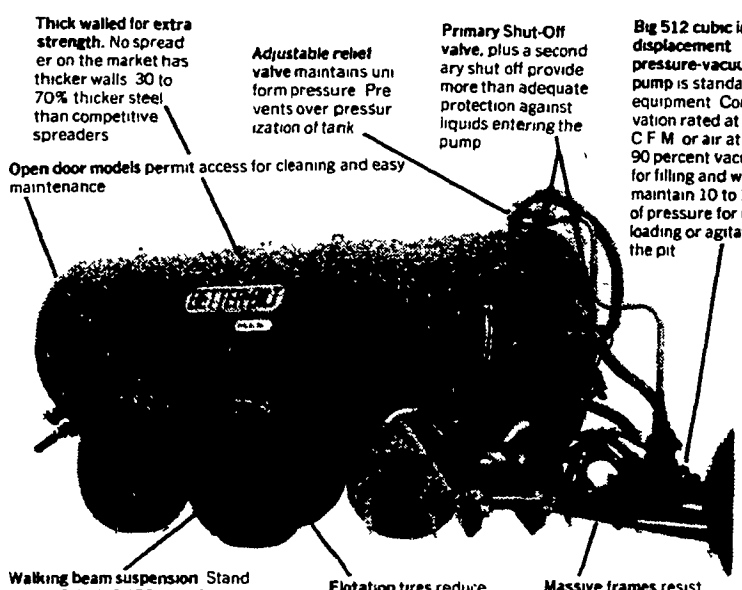
Outstanding Features


Thick walled for extra strength. No spreader on the market has thicker walls 30 to 70% thicker steel than competitive spreaders
Adjustable relief valve maintains uniform pressure Prevents over pressurization of tank
Primary Shut-Off valve, plus a secondary shut off provide more than adequate protection against liquids entering the pump
Big 512 cubic inch displacement pressure-vacuum pump is standard equipment Conservation rated at 135 C F M or air at 85 to 90 percent vacuum for filling and will maintain 10 to 15 lbs of pressure for unloading or agitation in the pit
Open door models permit access for cleaning and easy maintenance
Walking beam suspension Standard on 2 600, 3 150 3,600 and 4 600 gallon models (Optional on 1 500 & 2 100 gallon models) Front & rear wheels on each beam follow contour of the ground provides a smooth level ride
Flotation tires reduce soil compaction let you spread on soft ground early in season
Massive frames resist the wrenching twisting jolting shocks of hard field usage year after year

Sizes - 800 gal. thru 4600 gal.
Both vacuum & augermatic spreaders for truck mount or trailer type

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1 - USED BETTER BILT 2600 Gallon VACUUM SPREADER w/Tandem Axle and 4" Suction Hose, Plow Down Attach. SOLD

1 - JD 4020 Diesel Tractor w/WFE & Snychronized Transmission
One 7' Myers snowplow for Ford ½ ton pickup, good condition

CALL US FOR YOUR NEEDS OF

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New TW 20 w/cab, 4wd, air
New 7700 w/cab, air
New 6600
1300 w/front wheel drive

NEW HOLLAND
New TR70 Combine w/ cab, air, heater, w/ cat. engine and lots of extras
13' flotation header and cutter bar, w/hume reel
962 N4 corn head
New NH harvesters - 707, 718, 782
New NH 892 w/metal detector
New L35 gas, L55 diesel, L775 diesel skid loaders
Used 469 NH haybine
Used 479 NH haybine

NEW IDEA
New 456 large round baler $7500
New 299 9'3" mow ditioner $4000
NI 404 and 406 rakes
NI 323 one row corn pickers

Used IH 550 harvester w/pickup head and 2 row corn head

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NEW EQUIPMENT
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3288 w/air
784 RC w/TA
284D
244 FWD
1420 combine
370 disc
401 harrow 12'
720 plow 4 btm.
2250 loader
45 vibre shank
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40 cultimulchers Dunham Lehr
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Gyrostar, tedder and rake
Woods scraper blades
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Selection of Wood's Mowers

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NH 479 mower cond.
Farmall 656D
IH 674D
2 Super C's
IH 574
Super AV
IH potato planter
Dietz Wetzel potato cutter
Haines bulk bodies
Mayrath auger 6"x27'
1500 Schwartz loader
Meyers 400 gal. spray
Troyer elevator
100" Howard rototiller
800 Workmaster loader
JD 2 row potto digger
Lockwood 2 rw. potato harvester
Ontario grain drill
Clark fork lift, 4000 lb., hyd. turn table
Vicon model KN240 mower conditioner
NH 569 baler

USED EQUIPMENT
IH 3200A, Skid Steer Loader

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720 5 btm. auto reset plow 18"
770 deep till disk 13'9" $6895
L445 NH Loader

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ATTEND A JOHN DEERE 'FIRST'
WE'RE COMBINING FARMING FRONTIERS '83
WITH A 50 SERIES TRACTOR OPEN HOUSE
TO GIVE YOU A PROGRAM LOADED WITH VALUES

Fresh, interesting and unusual events are scheduled for the Nineteen-Eighty-Three John Deere Farming Frontiers. Rolled into one event will be the Farming Frontiers film program and a new John Deere Fifty Series tractor open house.

And you're invited as the guest of

ABC GROFF, INC.

on

Thursday, February 3rd

From 7 AM till 9 PM At Our Store

A NEW JOHN DEERE FIFTY SERIES TRACTOR ON DISPLAY

FILMS AT 10:30 AM and 7:30 PM

On film you'll see the new 50 Series tractors in action, some with the new Caster/Action mechanical front-wheel drive option. Also on film, various new-for-Eighty-Three equipment and educational Furrow-On-Film subjects. Large eight-panel displays will highlight new tractor features and options. A new 50 Series tractor will be on hand for your inspection.

Do plan to come for John Deere's Farming Frontiers and new-tractor open house.

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JD 4010 Diesel
JD 4430 Diesel
JD 4440 Demonstrator
Allis Chalmers "B" w/Blade
International B-275
Ford 3000 Diesel
(2) MF Pony Tractors with Equipment

USED EQUIPMENT

(2) JD 6620 Sidehill Combines (1979 & 1981)
JD 4400 Combine w/cornhead
JD 336 Baler w/Ejector
JD 24T Baler
JD 4420 Combine with Heads
MF 410 Diesel Combine w/4 Row Cornhead
Hesston 1502 Tank Spreader
Gehl Grinder Mixer
Tye No-Till Drill, 10 Ft., Like New
JD 6-Bottom Plow, 16"
NI 319 2-Row Cornpicker
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From 13HP to 200HP AIR COOLED

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SU 1054T, 85 HP $3200
SU 1056, 105 HP $5400
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We Still Have New JD Series 40 Tractors At Lower Prices With Company Rebates

2040 4WD
2440
2640
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All Fully Equipped

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JD 4640, PS, Cab & Duals
JD 2640, Hi-Lo, RG-Canopy
All Tractors Low Hrs., Excellent Cond.

USED COMBINES:
1980 JD 6620, 13' Table, 560 hrs., Nice, Asking - $46,500
Make An Offer!

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Combines, Sidehill & Reg.
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Disks
Cultipackers
3 pt. Blades
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Rotary Cutters
Mowers
Corn Shellers
Sprayers

IN STOCK
The New JD 300B Industrial Wheel Tractor with Loader
• Backhoe Available

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New Holland Machinery
Wheel Horse Lawn Equipment
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Many Short Lines Of Machinery

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The injection connection.

With the high price and possible short supplies of commercial fertilizers, you should consider a liquid manure system. Maximum nutrient benefit of animal waste is realized when it is incorporated into the soil immediately after application. We have two models of liquid manure spreaders to choose from: The Model 301 (2,222 gals.) and the Model 303 (3,264 gals.). Both models feature a standard rear-mounted nozzle for broadcast application or can be equipped to inject manure as deep as 12 inches. Sperry New Holland's reputation for rugged, reliable spreaders carries over to their line of liquid spreaders. Come in and let us show you all the features. When it comes to liquid manure spreaders, we're your injection connection!

N.H. MODEL 301 Liquid Manure Spreader

Standard Equipment And Features:
- Walking Beam Suspension
- Non-Drip High Discharge Opening
- Capacity - 2222 Gallons
- 540 or 1000 R.P.M. P.T.O.
- Front & Rear Level Indicators
- Front & Rear Clean Out Doors
- Spring Loaded Fill Doors
- 16.5Lx16.1 Tires
- Hydraulic Surge Brakes (Optional)

PRICE SLASHED $1500.00

N.H. MODEL 303 Liquid Manure Spreader

Standard Equipment And Features:
- Walking Beam Suspension
- Hydraulic Surge Brakes
- 3/16" Copper Bearing Steel Tank
- Soil Injector Available
- Non-Drip High Discharge Openings
- 19Lx16.1 Tires
- Capacity: 3264 Gallons
- 1000 R.P.M. P.T.O.
- Front & Rear Level Indicators
- Front & Rear Clean Out Doors
- Spring Loaded Fill Doors

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3 POINT HITCH SOIL INJECTOR w/4 Chisels, Diamond Point Reversable Shovels, and Coulters - Available At REDUCED PRICE For Either Model Spreader

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Service 717-354-8004

Since 1890
110 S. Railroad Ave.
New Holland, PA 17557

OPEN THURSDAY AND FRIDAY UNTIL 9 P.M.

master charge — VISA

OUR TRUCKS ARE RADIO CONTROLLED

HERR & LEAMAN

Used Farm Equipment Sales & Service
10 miles S. of Lancaster along Rt. 222

GUARANTEED QUALITY USED TRACTORS

JD 4430 cab & air, quad-range, 1974 model, fully weighted, SOLD clean.
IH 686, 600 hrs., nice and clean, 3 pt.
JD 4430 factory cab & air, quad range, 38" rubber, 2200 hrs., real nice.
JD 2020 gas, w/Hi-Lo shift, 48 loader.
IH 986 1979 model, cab & air, red seat, digital read out, stereo, 1127 hrs., very sharp
JD 730 Diesel, elec. start, wide front, 3 pt
IH 1466 red cab and air, new TA.
IH 856 D, 1971 model, wide front, 3 pt hitch, 38" rubber, low hr. tractor, clean.
IH 706 German diesel w/late 56 series shift, 38" rubber, wide front, 3 pt.
IH 1456 w/20.8x38 rubber, good tractor
JD 4320, roll guard, 400 hrs. on engine overhaul
IH 1206 turbo diesel, fully equipped, new TA and clutch
AC 200 w/yr. round cab, dual PTO & hydraulics 18.4-38 rubber, 1700 hrs , sharp, local tractor
IH 2250 Mount-o-matic loader SOLD attach. buckets, excell. cond.
JD 4320 w/factory cab, 38" rubber fully equipped
IH 966 fully equipped, sharp
IH 856D w/cab, fully equipped
JD 4010 Diesel, wide front
JD 4010 Diesel, wide front, dual hydraulics, 80% rubber
JD 4020 Diesel, power shift, 38" rubber, clean SOLD
Farmall MTA
MF 85 Diesel, good rubber
JD 620 gas tractor
Cockshutt 30 Diesel w/3 pt hitch, live hyd and PTO, real nice shape.
IH & JD cabs (used)
NI 702 power unit w/heavy rear axle
IH 686, 600 hrs , nice and clean, 3 pt.
MF 300 combine, quick tach w/2 heads

Box 91 New Providence, PA 17560
Ph. 717-786-1606 &
Evenings 717-786-4899

CASE 1410
DAVID BROWN
TRACTOR
Good Condition
12 Speed Trans. w/cab
$7900
PAUL SHOVER'S INC.
35 E. Willow Street
Carlisle, Pa.
717-243-2686

For Sale

MF 880 plow, 7-16, with coulters, hyd. reset, on land hitch, plowed approx. 100 acres, $7,200. Delivery possible.

Call evenings
717-799-0083

TOOLS
Red Arrow ton upright press
Red Arrow electric metal band saw
20 ton air jack on wheels.
Couplamatic Hydraulic Hose repair kit

Phone 717-428-3037 or 717-235-3004

USED GOLF CARTS
Gas & Electric
$250 each

Mid-Atlantic Equip. Corp.
Collegeville, PA
215-489-1400 or 717-667-6568

FIELD QUEEN
FORAGE HARVESTERS

SEE THE NEW HESSTON TRACTOR LINE
40 to 100 HP
NEW TILLAGE
Glencoe SS 9 Soil Saver $5900
Amco 19' Flex Disc
White 271 23' Disc
13' 245 Bush Hog Offset
26" Disc $7900
14' 1439 Bush Hog Disc
508 SAR 4X18 Plow
NEW EQUIPMENT
NI 802 Uni w/Harvester
NI 717 Combine
USED TRACTORS
White 2-180 4WD Cab, Air, Duals, 800 hrs.
White 2-135, 450 hrs.
Oliver 1850 w/cab
JD 2510 Gas
Oliver 1600
Ford 8N
MM Model G 1000
MF 178
8C HydraMac Skid Loader
12C HydraMac Skid Loader

(3) Used Hesston 4800 Big Square Balers (1 like new)

USED HARVESTERS
MF 510 Dsl. Combine w/13' Soybean Head
Fox Super D2R Head & Pickup
Fox 3310
Fox 3000
Fox 299 80" Flail Head
Field Queen Side Dump w/Det. engine, 3R Head & Pickup
JD 3800
Gehl 600
NH 890, Like New
NH 770 w/2 RN C.H. L Pickup
USED EQUIPMENT
NI 710 Combine
NI 725 3R Head
Brady 12' Shredder
IH 27 10' Disc
Arps 70' hvy. duty hyd. Angle Blade
Lely Double Wheel Rake 18 ft.
JD 1300 6 Row Planter
White 5400 4R No-Till Pltr.
JD 1240 Planter
IH 400 4R Planter
Farmhand Recutter Blower
NH 469 Haybine
Hesston 1014, 12 Ft. Hydro Swing Windrower
Bush Hog 24' Soil Finisher like new
Glencoe 13 Shank Soil Saver
NH 442 Disc Mower
Dion Fg. Wagon 3 btr. & roof
IH 51 wagon, 3 btr. & roof
NI 270 Cut Ditioner

CONSIGNMENT SALE
MARCH 9th

OPEN HOUSE
Feb. 21 to 25

STOLTZFUS FARM SERVICE
Cochranville, Pa.
215-593-2407

1981 PRICE. 1983 PERFORMANCE.

Get 1983 performance at low 1981 prices. Now, until April 30, 1983, you can select any new International® tractor from our complete line of 15 2 to 170 PTO hp models and lock in on proven 1983 performance at low 1981 prices

We're working to help you get the power and performance you'll need next spring by offering you the lowest price possible...as long as possible Take advantage of our low prices now. Buy a new International 60, 50, 30, 84 or 200 Series tractor before April 30, 1983

Ask us for details on these special offers and for information on other ways to save when you buy International.

A REAL FEEL FOR THE WORK YOU DO.

OPEN HOUSE COMING FEBRUARY 14
Mark Your Calendar And Watch for Details!

ASK ABOUT IH RED EDGE
"PERFORMANCE SAVINGS"
NEW 30 and 50 SERIES TRACTORS
Best Cash Prices Ever
On
All Equipment Now

★ **IH 1086 - Rental - Extra Special Price!**
★ **IH 3688 - Demonstrator - Extra Special Price!**
★ **IH 5288 - Demonstrator - Extra Special Price!**
★ **IH 6388 - 4 Wheel Drive - Buy A Real 4WD At The Same Price As An Add-On 4WD!**

NEW! **New IH 496 CUSHION GANG FLEX WING DISC HARROW w/EARTH METAL DISCS** NEW!
• 22 FT. DEMO IN STOCK - ONE ONLY - CALL FOR PRICE
• 19 Ft. 1 SOLD lso In Stock!

★ IH 3 pt. 181 Rotary Hoe In Stock!
★ John Blue Sprayers
★ IH 4 & 6 Row 183 Cultivators In Stock!
★ FMC Bean

ERB & HENRY EQUIP., INC.

New Berlinville, PA. 19545
Ph: (215) 367-2169
Daily 7-5; Sat. 7-3

"We're An "XL" Dealer.

★ Jamesway
★ DeLaval

INTERNATIONAL AGRICULTURAL EQUIPMENT

Ask About Cash Rebates
On Loaders, Tillage, Hay & Other Equipment

REBATES AVAILABLE IN ADDITION TO THESE LOW, LOW PRICES!

IH 1250 GRINDER MIXER. ..... Old Price
IH 1350 GRINDER MIXER. ..... Old Price
DEMO IH 501 DISK HARROW - 12'5"
26" blades ¼" thick, dual wheels w/new tires, furrow filler w/blade, hyd. cyl. hoses & fittings, set up, list $8031 .... Was $6,225 SALE $ 5,925
IH 315 20' PACKER MULCHER HYD. FOLDING
Hyd. transp SOLD front scrapers, leveling bar, A&H, list $9312 ..... Was $7,900 SALE $ 7,500
IH 415 PACKER MULCHER,
10'2 ..... Old Price
IH 482 CUB CADET 11 HP
4 Speed, single cyl., Briggs & Stratton, hand lift, 38" mower
FREE ..... SALE $ 2,495
IH 4130 Gas Skid Loader, Demo. ..... Call For Price!

COMBINES!

★ IH 1460 Axial Flow Combine In Stock, DEMO - Special Allowance Available
★ IH 1420 Combine - In Stock
★ 963, 944, 943 Heads In Stock!
★ 820 15' Floating Cutter Bars, DEMO - Special Allowance Available
★ 810 15' Cutter Bar (Old Price!)

We Specialize in IH Combine Parts and Service

USED EQUIPMENT

★ Waiver Of Financing On Most Items! ★

TRACTORS:
IH 574 D Row crop - $8,500
IH 574 Gas, Utility
IH 1566 D., Cab & Air, 30.5x32 tires, new TA, Real Nice - $18,500
JD 4520, 20.8x38 Radials, No Cab - $12,500
IH 706 Diesel, Completely Overhauled SOLD
IH 560 Gas, 400 Gas
IH 350 Farmall, PS
IH 460D, Utility - $1,800 as is
IH 544 Gas w/2000 Loader - $6,500
(2) Farmall M
MF TO-30 w/Turf Tires
MF TO-30 w/Ag Tires
Leyland 154 Gas w/Turf Tires

TILLAGE:
JD TO 310, 32 Disk, Real Nice
JD 111 10 ft. Disk Harrow, Like New
IH 470 Disc Harrow, 15' Folding, 7½" Spacing
IH 760 14' Offset Disc
Bush Ho SOLD olding Disc
Pittsburg 12' Disc
IH 370, 350, 37, 35 In Various Sizes
Cub 2-Way Plow
Oliver 4-Bot. Semi-Mtd. Plow
IH 531 3 pt. 3 Bot. Plow
IH 550 5-B SOLD 16" Semi Mtd. Plow
MF 3 pt. Mtd., 3 Bot. Auto Reset Plow, like new
Dunham 8 Shank 3 pt. Chisel
IH 13' Trailing Chisel
Glencoe 12' 9 Soil Finisher — $4,500

HAY & FORAGE EQUIPMENT:
MC 60 2-Row Shredder, Like New
IH 990 Mower Conditioner, 9', Steel R SOLD Very Nice Cond.
LAMCO Forage Wagon
IH 110 Forage Wagon
#5 Flail Chopper, Real Nice!
#8 Flail Chopper, Like New
33 NH Flail Chopper
JD 16A Flail Chopper
JD 115 Forage Wagon
Gehl FBB 88 Blower
Gehl FBB 99 Blower
Badger TA-54 Blower, Like New
38 JD Chopper
550 IH Chopper
1014 Hesston Mower Cond.
NH 47 SOLD ine
NH 770 Chopper, 2 Row Wide & Pickup
JD 894 Rake
IH 430 Baler w/Thrower

COMBINES:
915 Combine, Low Hours, Like New
844 Cornhead, Like New
810 13' Cutter Bar
MF 410 Gas, w/34 Cornhead & 13' Platform
KKS Gleaner, 10' Platform, 2 Row Corn head, like new
FKS Gleaner Diesel 4 Row Wide, 12' Platform
Waiver of Finance Til 9/1/83

IH 315 Hydro (For Parts)
IH 403 w. 4-Row Wide Head & 12 ft. Grain Platform
IH 315, 2-Row Wide Head
IH 205 w/227 Head
IH 203 w/2 Row Head
IH 227 Cornhead, fits 315, 205 or 203
Straw Chopper for Gleaner M
Set of Tires & Rims for 1420 Combine - 23x134 Rice tires

PLANTERS:
(2) IH 56 4-Row Planters
4 & 6 Row Cyclos, Field Ready!
IH 4-Row Front Mtd. Cultivator-Late Model No. 68
JD FBB 17x7 Comb. Single Disc, Good Shape!
JD 3 pt. 4-Row Wide Cultivator
JD FBB 17x7 DD
IH No. 10 13x7 Plain Drill
IH No. 10 16x7 Single Disc, Comb., Hyd. Lift
IH No. 10 16x7 Single Disc, Comb.
IH 510 18x7 DD, Plain Drill
IH 510 21x7 DD Plain Drill
Oliver 24x6 Combination Drill
MF 13x7 Comb. Drill
Ontario 16x7DD Plain, Late Model

MISCELLANEOUS:
Used CP Model 250 Rotary Vane Air Compressor w/IH 282 Diesel Engine Mounted on CO 1600 Int. Truck - $3900

MATERIALS HANDLING:
IH 1850 Loader, Fits 574
Century SOLD al. Sprayer
Hansen 300 Gal. Sprayer, 42 Ft. Booms
157 Hawk Bilt Spreader - $995
Int. 550 Spreader w/End Gate
Int. 540 w/End Gate - Was $1995 Now $1295

LONG

WENGER'S INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067

PHONE: 717-866-2135

NIGHTS, PHONE: 717-866-7147 or 717-273-9089

FARMALL TRACTORS

656 Gas Hydro ..... Coming in
706D ..... Coming in
986 w/ROPS $12,950
1086 ROPS - Nice $13,950
100 Hydro w/Rops $7950
444 Utility - Nice $3950
M - Live Hyd $1450
464 w/Loader 800 Hours ... $7950
806 Diesel - Good $5450
1206 Diesel - Nice $6950
340 Utility - Nice $2950
Cub w/Fast Hitch $2450
Cub - Mower - Plow - Cultivator - Nice $1950
1466 - w/Cab, Blackstripe $13,950
H - Nice $950
340 w/Loader $3750
Cub w/Cult. $1495

FORD

4500 w/loader $4450
600 ..... $2250
6600 ..... $8450
2000 w/Mower - Nice $3950
(2) NAA ..... $2250 & $2450
8N w/Clock $1650
600 w/Loader - Nice $3650
8000 ..... $4950
(2) 8600 - DP ..... Choice $8950
6000 - Diesel $2650
8700 - DP $11,950
5000-D ..... Coming In
9600- DP $9850

CASE

1370 - 20.8x38's $8950
1070 Cab - PS $6950
830 CK $2950
VAC - Nice $1250
580 CK w/Loader & 3 pt. ... $5950
1030 w/Cab, nice $5950
(3) 930 Standard ..... Call

LONG

310 - New $6450
310C - New $6450
560 4 WD $5850
610 4 WD - New $11,650

MASSEY FERGUSON TRACTORS

1105 ..... $7950
175D $5850
180 - Gas $4850
40 w/Sickle Mower & Cab - Nice $5950
44 Gas $650
165D $4950

ALLIS CHALMERS

D21 w/Cab - Nice $7450
(2) G w/Asst. Tools $1850
180 w/Cab $5450
200 ..... $7950
210 w/Cab $9450
190XT $5950

"7" 4 WHEEL DRIVE TRACTORS From 50 HP to 225 HP

MF 1805 - Cab - Air - 3 pt PTO - Duals - Nice $19,450
Ford County 6 - 3 Pt PTO ... $5950
Case 2670 - Cab - Air - 3 Pt - PTO Duals $19,450
Long 610 - New - Rollbar .. $11,650
Long 560 - 3 pt & PTO $5850
Ford Major 4WD $3950
4WD Unit to Fit IH $1200
4WD Unit to Fit Oliver $2500
JD 4230 4WD ..... Coming in

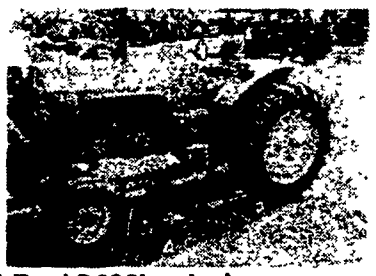
JOHN DEERE

4430 Cab - Air - Syncro ... $15,950
4520 - Nice $8950
4320 ROPS - WTS $11,950
4320 ..... $10,950
5010 ..... $6350
820 - 2 Cylinder $2950
3020 Powershift $5950
4020 - Side Console - Syncro $8950
(3) A ..... Call
4010 LP $3950
720 Diesel - WF - 3 pt. $3450
50 - Live PTO $1450
4020 - Side Console Power Shift $8950
4230 - 4WD ..... Coming in
4020 w/Loader ..... Coming in

OLIVER

MM G1000 ..... Coming in
1855 - Cab - 1700 Hrs $8950
1650 - Nice $4950
1855 w/Cab, nice $6450
MM 670 Diesel ..... Coming in
1950T $7,950

BIG FORD COUNTRY SAVINGS



- (2) Ford 8600's - dual power, Nice Tractors
  Choice $8950
  $1950 down $212 per month
- 1 - Ford 9600 - Dual Power - Full Frt. Wts. - Nice Tractor
  $9850
  $1950 down $239 per month
- 1 - Ford 8700 Dual Power - Full Frt. Wts. - Nice Tractor
  $11,950
  $2450 down $288 per month

TRADES ACCEPTED

CONSTRUCTION EQUIPMENT

BACKHOES

Long 3 pt. Hoe-new $3900
Long 5 in 1 w/cab $15,900
3 Pt. Backhoe .. $2400
Case Hoe Attach ... $700-$1700
JD 310 w/cab $12,500
JD 93 Hoe Attach $2900
Ford 800 ..... $3450

TRUCK TRACTOR

1974 Ford Louisville Diesel $7450
1979 GMC Cab Over $18,500

CONSTRUCTION DUMPS

1974 IH Diesel w/9' Body Air Brakes ... $10,900

CRAWLER LOADERS

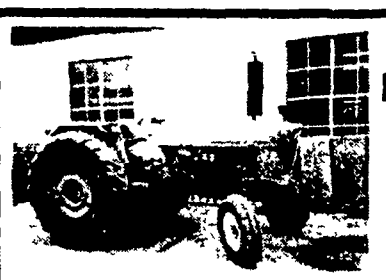
Cat 933 ..... $8500
JD 350 ..... $7850
IH T6 ..... $2500
AC HD6 ..... $5450
JD 40 ..... $1950

MISC. CONSTRUCTION

(40) Used hoe buckets ... From $150
(25) Loader buckets .... From $95
(30) Set forklift forks ..... From $300
(6) Winches ..... Call
Adams Grader . $1750
(2) Huber Maintainer $2500 & Up
Michigan 55 Loader $8950

TRAILERS

1969 Great Dane 35 ton detachable .. $14,750
New 2X 4 Ton .. $1350
New 3x6 Ton ... $2000
New 3x5 Ton ... $1750



FORD 6600 DIESEL
Special Price
$7950.00

$1450 Down and $197 Per Month

MECHANICS SPECIALS

(2) Oliver 1850's ..... $3450 ea.
Oliver 1750 ..... $3450
AC D17 Series 4 ..... $2000
Case 1030 ..... $3450
(2) Farmall 706 ..... $3450
Ford 8000 ..... $4750
JD 4020 D $5250
Farmall 806 D $3950
Ford 6000 D $1750

For Cheaper Ones - Call

FINANCING AVAILABLE

12 Months to 60 Months
20% DOWN
TRADES WELCOME
(Photos of trades are helpful)

"10" COLLECTORS TRACTORS — CALL

HARVESTERS

NH 890 - Nice
Super 717
JD 25-35
Fox & AC

Direct Cut Heads
Pickup Attachments
Snapper Heads For: NH Fox - JD

1 Row to 3 Row Cornheads

SKID LOADERS

OMC 1700 Diesel $5900
Melroe 520 .... $5900

COMBINE CORN HEADS

NARROW ROW
IH 833-743-733-429 -329-863-327
JD 643-443-434-334 -313-335
AC 630-430-330
Oliver 703N-531-541
MF 63-43-33-321
NH 4x30 QT
Case 4x30-3x30
NI UNI - 3x30

WIDE ROW
IH 744-429-329-327-724-229-228-227-25-22-844
JD 434-334-234-210-205-10-344-244-444
AC 440-435-240-238
Oliver 544-531-522-512-
MF 44-24-422-322-222-22-20
NH 2x40
Case 4x40-2x40
NI UNI 3x40-2x40

CORNSHELLERS

JD #6 ..... $1500
MM 1200 ... $3800-$4500
JD 43 - 3 Pt. $875

DUALS

New & Used
All Sizes

FORKLIFTS

IH 350 ..... $2350
(2) Ford... ..... $6850 & $3850

LOG SKIDDERS

Tree Farmer C7 $7850
JD 440A $8950
Taylor $5850

COMBINES

JD 7700 D - Fire Damage $6900
JD 4400 - Nice - Rotary Screen $13,400
JD 55 SB $4900
JD 45 SB w/2 Hds. $5500
MF Super 35 ... $4950
IH 82 Pull Type . $3500
JD 4400 ..... $5450
IH 503 w/2 Heads $4950

GRINDER MIXERS

Gehl - Nice $3450

STACK MOVERS

Hesston 10W & 30
JD 200

CULTIMULCHERS

10'-12'-14'-16'

NEW DISC'S

3 Pt. - Now & Used
Wheel Type From 8' to 24'
Offsets

CABS

New & Used $495 & Up
Tractors & Combine Rollbars ... $200 & Up
Cab Coolers $500

PLOWS

1 Bottom to 7 Bottom
All Makes - Some Resets

ELEVATORS

32' to 40' - $695 & Up

LOADERS

Good Asst.
All Used

NI UNI SYSTEMS

701 Tractor w/cab
727 Husking Bed
2x40 Cornhead
3x30 Cornhead
710 Combine Grainhead
3x30 Chopper Head
Pickup Head
High Moisture Throat
2x40 Chopper Head
3x40 Corn Head
760 Chopper
717 Combine

CORNPLANTERS

1 Row to 8 Row
JD-AC-IH-Ford

CULTIVATORS

1 Row to 4 Row
Lots of Makes And Models

WAGONS

6-8-10-11-12 Ton Gears ..... $395 & Up
New Bale Bodies $495
New 16' Feeder Rack $595
Used 18' Feeder Rack & Gear $595
Used Bale Body & Gear $595
Used Bin Wagons ... $695 & Up
Self Unloading Wagons

MISC. MACHINERY

Rotary Hoes
Lely 13' Roterra
4' to 10' Snow Plows
Post Hole Diggers
Lime Drills
Potato Plows
1X & 2X Potato Diggers
GT 270 Dryer
Mc 600 Dryer
(2) Gehl 72 Flail Choppers

NEW EQUIPMENT SPECIALS

6' 3 pt Scraper Blades $195
7' 3 pt Scraper Blades $250
8' 3 pt. Scraper Blades ... $350 & $795
Landscape Boxes ..... $450& up
6'6" 3 pt. Disc's $500
Spike Harrows $500-$600
3 pt Fert Seeders $350
Round Bale Feeders $145
3 pt. Boom Poles $49
3 pt. P.T.O. Wood Saws $495
3 pt. 9" P H Digger $450
165 Bu Gravity Boxes $465
210 Bu. Gravity Boxes $565
5' 3 pt. Rotary Mower $495
6 ton wagon $395
8 ton wagon w goodies $545
10 ton wagon w goodies $595
11 ton tandem wagon w goodies $875
12 ton wagon w goodies $875

MANURE SPREADERS

NH - NI - IH Single Axle ..... $395 & Up
NH Tandem Axle $2850

HOW WOULD YOU LIKE A STAFF OF PROFESSIONALS TO SELL YOUR TRACTOR OR MACHINERY "FREE"? HERE AT WENGERS WE WILL DISPLAY YOUR ITEMS, FINANCE THEM, ACCEPT TRADE-INS AND DO THE ACTUAL SELLING "FREE" - "OUR GUARANTEE" IF WE DON'T SELL YOUR ITEM AFTER 30 DAYS WE WILL PURCHASE IT FOR CASH.

COME TO THE PEOPLE THAT DO BUSINESS

FARM EQUIPMENT FARM EQUIPMENT

NEW LEADER Lime & Fertilizer Spreaders
HI-WAY Cinder Spreaders - All Types
FRINK & VALK Snow Plows

ANNVILLE BODY CO.

P.O. Box 217, R.D. #3
Annville, Pa. 17003
Phone 717-867-4631

Used Tractors
AC 7000, 6080 w/cab
MF 2705, 285, 1100
Ford NAA
JD 50, 3010, 4020
IH M

Used Skid Loaders
Bobcat 371, 600
Case 1737
Gehl 4400 Diesel

Used Equipment
Gehl 95 Mixer
Bush Hog 10' Chisel
AC 84 bottom Plow
MF 12 Baler
IH 56 6 row Planter
IH 400 Planter

Used Combines
AC F w/heads
White 8600 w/heads

New Tractor Specials

AC 83 HP 6080		MF 276 67 HP	
List	Sell	List	Sell
$25,370	$18,795	$20,565	$14,990

Winter Parts Special
While They Last - Tractor heat housers
$69.95

Peterman Farm Equipment

717-249-5338 or 249-2150
Farm & Lawn Equipment - Chain Saws
225 York Road
Carlisle, PA 17013

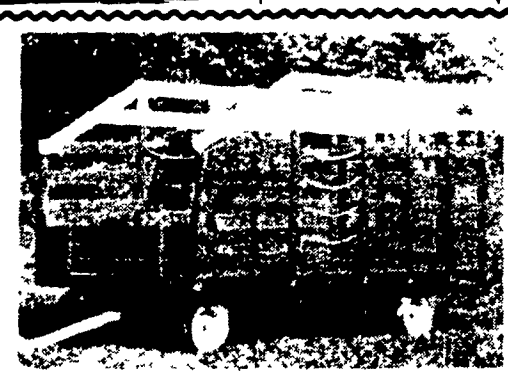
PEQUEA BATTERIES

Ronks, PA 17572

- GENERATORS
- STARTERS
- ALTERNATORS

PARMAK FENCERS

EXPERT REPAIRS



All Oak Bale Wagon Racks
16'L - 8'W - 7' H
painted red and white - $420
without paint - $375
20' Green chop feeding rack, painted red - $440
16' oak wagon bed - $165 painted red
8 ton wagon gears - 8" rims - used tires - $460
Prices good until March 1

Ivan Z. Hoover

RD 2 Ephrata, PA 17522
717-733-6825

Bale Wagon Rack & 8 ton Gear
$870 for first 10 purchased

---

g-Industrial Equip. Co.

ALLIS-CHALMERS SPERRY NEW HOLLAND KUBOTA AVCO NEW IDEA Bullion bobcat

ANNUAL WINTER AUCTION OF USED AND NEW FARM EQUIPMENT THURS., FEB. 24, 1983 10:00 A.M.

TRACTORS
AC C
AC 7580 Cab and Air
AC 6060 2 Wheel Dr.
AC 5040
AC 5050
AC D17 D
JD 2640
Ford 4500 w/loader
Case D 580 Loader
Case 480D
Farmall 300
MF 202 wheel loader w/loader
MF 165
Kubota B7100 w/loader & bucket

BALERS
NH 268 w/thrower
NH 273 w/54A thrower
NH 270 w/50 thrower
NH 282 w/thrower
NH 283 w/62 Thrower
NH 315 w/58 Thrower
NH 320 w/70 Thrower
JD 346Tw/Thrower
JD 24T

COMBINES
NH TR 70 w/Flexhead, 6 R Cornhead
NH TR70 13' Flex 4RW Corn Head
NH 995 w/Grain Head & Corn Head
JD 105 w/444 C.H. and G.H.
JD 55 w/12' Grain Head
AC CII
AC F330 Corn Head

CORN PLANTERS
White 6R no-till air
IHC 4R Cyclo
IHC 6 R No-Til
JD 1440 No-Til
AC 4R no-til w/gran. fert.
AC 6R no-til air w/gran. fert.
AC 4R no-til w/liquid fert.
AC 700 6 Row

HARVESTERS
NH 1895 SP w/3 Row narrow head and windrow pickup
NH 880 w/2R W and 1R pickup
NH 717 w/1R head
NH 770 w/717 R2 and 1R pickup
NH 880W w/890 EN2 and 880 N3
JD 3960 w/2R head and Windrow pickup

MOWER CONDITIONERS
(3) NH 469
(5) NH 479
NH 490
JD 1209
NH 467
NH 495
NI 299 Mow/ditioner
NI 279 cut/ditioner
Hesston 620SP windrower

WAGONS
NH 1000 Bale
NH 1010 Bale
NH #8

MOWERS
FMC 10'
NH 451 Sickle Bar
JD 25A Flail
(3) NH 462 Disc

SKID LOADERS
NH L 775 gas
NH L778 diesel
NH 445 w/Deutz Diesel
NH 445 Gas

CORN PICKERS
NI 323 1 Row Picker
NI 324 Super Sheller
NI 324 Corn Picker 2 Row

MISCELLANEOUS
Little Giant 32' Elevator
AC 2300 Disc
NH 358 Grinder Mixer
Rhino 7' Scraper Blade
Tandem Axle Sprayer
Brady stalk shredder
Hesston Stakhand #10
IH 770 Disc
Davis 4 WD Trencher

RAKES
(2) NH 260
(2) NH 256
NH 258
V Tandem Hitch
IH 35
Ford 3 pt. Hitch

MANURE SPREADERS
NH 365 Tank
NI 214

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USED TRACTORS

MF 2775, 160 hp.	$22,000.00
MF 2675, 100 hp.	20,000.00
MF 1800, 180 hp., 4 wheel drive	15,500.00
MF 1135, 120 hp., w/cab	12,500.00
MF 1130, engine overhauled	7,500.00
MF 1130	6,000.00
IH 1456	9,500.00
MF 1155, 8 speed	8,500.00
MF 33 wheel loader	9,000.00
MF 180 diesel	3,500.00
MF 811 skid steer, diesel	5,500.00
MF 235 diesel	5,200.00

USED PLOWS & TILLAGE

MF 57 3-16 two way plow	2,000.00
MF 43 3-14 spring trip plow	1,175.00
MF 82 4-16 spring trip plow	1,200.00
Taylor Way pull type, 12 tooth chisel plow	1,250.00
IH 31 tooth, 3 pt. Vibra shank cult	1,200.00
IH 13 tooth field cultivator	675.00
MF 129 Front Mtd. cultivator	300.00
JD 3 pt rotary hoe	1,800.00
MF 428, 4 row cultivator	1,700.00
AC 48 blade transport disc	900.00
Lilliston rotary disc.	600.00
JD 10 blade offset disc.	300.00
Oliver 10 ft. transport disc.	900.00
King 32 blade transport disc	2,500.00
Oliver 36 blade transport disc	900.00
MF 730 offset plowing disc	4,750.00
JD 694 AN 6 Row Corn Planter w/Liquid Fert. & Monitor	1,350.00

HAY & MISC. EQUIPMENT

MF 1560 round baler	5,900.00
NH big bale fork	250.00
NI hay crimper	250.00
IH flail chopper	200.00
M-C 9E rotary sythe	3,900.00
Gehl 99 Hi-throw blower	800.00
Gehl S.P. 2 row harvester	1,100.00
Badger forage wagon	1,100.00
Badger forage wagon	1,200.00
Danuser log splitter	675.00
Danuser post driver	1,300.00
Mott 5 ft. 3 pt. flail mower	450.00
Big Bee 6 ft. rotary mower	450.00
Fox 3300 harvester, 2 row 30" corn head & pick up & monitor	4,500.00
MF 37 hay rake, pull type	975.00
MF 200 harvester, 2 row corn head	2,900.00
Meyer snow blade	300.00
Brady 722 6 ft. flail cutter	2,300.00
York 7 ft. scraper blade	350.00
New Little Giant corn drag	780.00
Demo Farmhand wheel rake	975.00
New Farmhand grinder mixer	4,900.00
New Farmhand grinder blower	4,500.00
conveyor for above.	950.00

USED COMBINES

1980 MF 760 V8, 15 ft. floating header, 1163 corn head	62,000.00
1978 MF 760 V8 w/rear wheel drive & grain saver	48,000.00
1976 MF 750 4 wheel drive w/6 row & 4 row corn head & 15 ft. floating grain table	39,000.00
1976 MF 750 hydro, 14 ft. grain head	29,000.00
1976 MF 750 gear drive, 14 ft. grain head	26,000.00
1975 MF 760 V8, 15 ft. grain head	29,000.00
1975 MF 760 V8 hydro, 15 ft grain head	28,000.00
1975 MF 510 diesel, 13 ft. grain head	19,000.00
1974 JD 6600 diesel, 13 ft. grain head	24,000.00
1972 MF 300 gas, 10 ft. grain & 2 row corn head	10,500.00
1971 MF 410 diesel, 13 ft. grain & 44 corn head	11,000.00
1969 MF 510 diesel, 13 ft. grain head	12,500.00
1968 MF 510 diesel, 13 ft. grain head	13,500.00
1968 MF 510 diesel, 13 ft. grain head	10,000.00
1968 MF 510 diesel, 13 ft. grain head	15,000.00
1968 MF 510 diesel, 13 ft. grain head	10,500.00
1968 Gleaner CII, 13 ft. grain & 4 row corn head	8,500.00
IH 315 gas, 12 ft. grain head & 2 row corn head	7,900.00
AC CII Gleaner w/grain head	2,900.00
AC A Gleaner w/grain head	2,000.00
IH 141 10 ft. grain head	2,000.00
IH 303 10 ft. grain head	2,000.00
New Idea 702 diesel tractor 767 super chopper, 763 corn head, 717 combine, 13 ft. floating grain head	14,600.00
JD 45 w/2 row corn head & 10 ft. grain head	2,500.00
Oliver 525 w/2 row corn head & grain head	5,000.00

(3) 10 ft; (4) 13 ft; (6) 14 ft; (8) 15 ft; (5) 16 ft; (1) 18 ft. grain heads
(9) 2 row 38", (15) 4 row 38", (6) 4 row 30", (11) 6 row 30", (2) 8 row 30" corn heads

NO FINANCE CHARGES ON USED COMBINES TIL JUNE 1, 1983

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

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TRACTORS: IH 1066 w/cab, 856 w/cab, 1206, 806, 706, 504, 560, 460, 400, 300, 200, Super M, M, H. Oliver 1855, 1850 w/cab, 1750 w/cab. JD 350 B crawler loader, 2, 3, 4, 5 and 6 bottom plows, 10, 12 and 14' transport disc, planters, drills, spreaders, combines and other types of farm equipment. Also Ford C-750 truck with 206 inch wheel base.

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JD 2840
JD 2030
JD 50
Farmall A w/Cultv, Plow & Pulley

USED CORNPLANTERS
JD 1240
JD 1260 w/monitor
JD 246

USED HAY & FORAGE EQUIPMENT
JD 6600 Combine w/Grain Platform & 4RN Corn Head
JD 3940 Harvester w/Electric Controls
Fox 2200 Fg. Harv. w/2 heads
NH 3RN Corn Head
JD 244 Snapper Head for Fg. Harvester
JD 3RW Corn Head
NH 1002 Bale Wagon
JD 24T Baler
NH 271 & 269 Balers w/Throwers
JD 24T Baler
JD 14T w/Thrower
JD Hay Crimper
Hesston 1010 Swing Tongue.
Hesston PT10 Mower Conditioner
OMC #216 9' Mower Cond.
JD 15A Chopper
NH #33 Crop Chopper
NH 27 Blower
NH 56 Rake
JD 216 Fg. Wagon w/Tandem Axle

USED TILLAGE
IH 13' Transp. Disc

MISCELLANEOUS
Oliver Fertilizer Spreader
15 HP 3 phase elec. Grain Dryer Motor
15 KW Standby Generator
JD 46 Loader

NEW TRACTORS
JD 4250 SQ MFD 15 SP, PS, Trans.
JD 2940 SG

NEW HAY & FORAGE EQUIPMENT
JD 5720 SP Forage Harvester
NH 718, 782, 892 Fg. Harvesters
JD 3940 & 3960 Fg. Harvester
JD 506 Gyamor Mower
JD 327 & 337 Balers
NH 311 & 316 Balers
NH 851 Round Baler
NH 488, 489, 495 & 1495 Haybines
JD 670 Rake
JD 660 Rake
NH #8 Fg. Wagon
H&S Fg. Wagon
H&S Bale Wagon

NEW PLANTERS
JD 7000 4 & 6 Row Consv.

NEW TILLAGE
JD 950 Roller Harrow
JD 2600 4B Plow
JD 1600 Chisel Plow
JD 115 & 215 Disc Harrows
JD 215 Dura-Cushion Disc Harrow
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NEW SKID STEER LOADERS
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JD 8200 18x7

NEW MISCELLANEOUS
JD 335 Skid Sprayer
Most Model JD Loaders & Blades
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JD 1520 Gas, recond. clean. $5450
JD 4040 RG & Power Shift $18,000
JD 520 . . . . . Special $2000
Ford 4000 w/Ldr. gas, nice. $5000
Ford 1600 Dsl $4,500
Coming in
AC 190 XT w/cab

FORAGE:
JD 3800 Long Tongue for parts $1100
Gehl Chop-All 2R and Pickup $1200
Gehl Chop-All 1R and Pickup $1000
Fox FA w/1 Row Pickup DC $600
IH Pickup Head for 650 Harvester $500
Fox Sp w/2R Narrow Snapper Head 2R Narrow Corn Head & Pickup $9200

TILLAGE:
JD 350 5/16 reset plow w/cushion coulters . . . . . Special $2800
JD 145 5/16 Plow. $1000
MM 5x16 Reset Plow $1900
JD KBA 10' Transport Disc, Ex. $1100

HAYING:
IH 1290 Mow. Cond. 12'. . $2100
IHC 990 Mower Cond. . . . $1085
NH 268 Baler w/thrower . $1385
Hesston PT10 Mower Cond. $1500

COMBINING:
JD 40 . . . . Special $1600 ~~$2900~~
JD 6620 side hill w/15' platform $52,000
JD 4400 gas, 1400 hrs. nice $13,500
JD 443 Corn Head $6800
JD 215 Rigid Platform . . . $4300
JD 215 Rigid Platform . . . $3950
JD 205 Corn Head $500
JD 30 Pull Type clean. . . . $1500

PLANTERS:
IH 56 4R Disc Openers. . . $1900
JD 7000 4R No-Til, liq. Fert. & Monitor $6400
AC 600 4R No-Till Dry Fert. w/monitor $2850
JD 1240 4R Plateless Dry Fert. and Insect. . $1800
JD 694 Dry Fert. w/Gandy Fert. Boxes. $600

MISCELLANEOUS:
IHC 1 PR Picker $1000
Cozy Cab for JD Utilities $1200
IH 16x7 Drill $1285
NI 325 Picker w/8 Roll Husking Bed and Sheller Attach $6250
1982 JD 550 Sprayer 40 Boom, Hyd. Pump . . . $3600
(5) Used Flail Choppers 5 & 6 Ft.
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Used Tractors:
John Deere 2020, 4520, 4440 cab & air, dual, 4430 w/cab, 4630, 4320, 4230, 4020, 2510, 2440, 3020
Allis Chalmers 210
MF 175 diesel, 1100
Farmall 1466, 966, 766, 806, 656, 544 Hydro, 460, 450, H, 574 w/loader
Ford 9600 cab, 5000, 7000, 4000 diesel w/loader, 3400 w/loader, 2000

Used Combines:
JD 7700
JD 4400 gas
JD 45
JD 55 corn special
NI 704 w/717 combine
JD 7000 6 row conservation planter

Used Corn Heads
JD 2, 4 & 6 row corn heads
IH 6 row
NI 4 row N

Used Choppers:
JD 5200 self-propelled chopper
Fox 3000 w/3 row head
NI uni chopper
3 row narrow uni head

Used Trucks:
IH 2010 tandem w/new grain body & hoist
'73 Chevy C65 w/400 bu. grain body & hoist in good cond.

Used Plows & Disks:
Used Keewanne 20' hydraulic fold mulcher
Used Keewanne 21' disk,
JD 7 bottom on land hitch plow
1450 John Deere 7 Bottom
New White 418 spring reset plow
Large selection of John Deere 5, 6, & 7 Bottom
Athens 21' Hyd. Fold disk
IH 470 18' Disk
Large selection of smaller John Deere disks
New Gehl, Fox & Badger Equip.
JD model 2500 6 btm. 18" auto. reset plow
NI 323 one row picker
JD 346 wire w/thrower
NH 273, 275, 276, 278 balers
JD 1209 haybine
NH 467 haybine
Used Moridge grain dryers
Gehl 95 feed grinder
Gehl 920 tandem axle forage wagon, used 2 seasons

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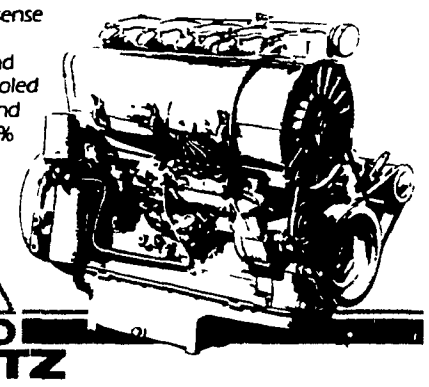

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Check out this great addition to the Deutz Fahr line – the new D 7807 rated at 73 pto hp. Like all Deutz Fahr tractors it's available in either 2 wheel drive or with mechanically power d front wheel drive – for a 4 wheel drive rig that's practical for row crop farming (tre id width adjusts from 60 to 80 inches!) Other features: Direct air cooled d esel engine from the 913 series (used in larger DX models) for outstand ng fuel efficiency; synchromesh 16 speed transmission for wide choice of gears and speeds in working range; tandem hydraulic pumps for high capacity, high speed lifting; hydraulically actuated brakes and lots more. Stop in and see the D 7807 soon!

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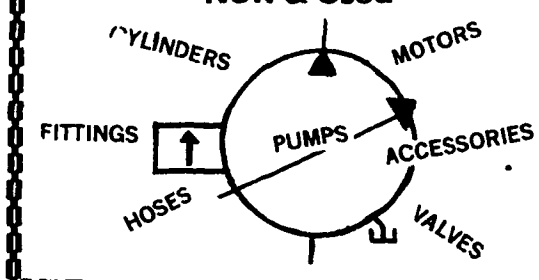

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- 1972 Dodge Crew Cab w/Utility Body
- 1967 Ford F-700 Cab and Chassis
- JD 336 Baler w/Ejector
- JD 8250 14x7" Grain Drill w/Grass Seeder
- JD 10' Roller Harrow
- INT. 990 Haybine
- INT. #8 Flail Chopper
- INT. #541 4-16" Plow, 3 Pt. Hitch
- INT. 560 Gas w/Fast Hitch
- INT. #115 Side Mount Mower, 7'
- INT. 9' Disc Harrow on Rubber
- INT. 10' Cultipacker
- INT. 12' Spring Tooth Harrow
- Four Star Bale Spear, 3 Pt. Hitch
- Woods Cadet 72 Rotary Mower, 3 Pt. Hitch
- New Idea Bar Type Hay Rake
- Enfield Bale Wagons, 8'x16' (Two)

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USED FARM EQUIPMENT

JD 350 crawler loader, 1290 hrs. $13,995
JD 3010
JD L Tractor w/plow & cultivators
Ford 7600 w/cab
JD 1450 4x16 semi-mtd. plow
JD 1450 5x16 semi-mtd. plow
MM 32 blade transport disk harrow
JD 39 3 pt. sickle bar mower
NH 479 haybine
NI 30' elevator, $495
JD 38 harvester w/2 row N. head & hay pickup
JD 33 PTO manure spreader
JD 7000 6 RN Conservation Planter
AC 4 row no till planter
White 5400 6 row N. no-till planter
JD 8350 grain drill, dd openers
JD FBB 17x7 grain drill
JD FB 13x7 grain drill
IH 13x7 grain drill
Brillion 11 ft. cultipacker
JD 506 3 pt. 5' rotary cutter
JD 307 6' rotary cutter
JD 444 corn head
JD 6600 sidehill combine w/13 ft. grain head & 4 RW corn head $37,995
Midwest round bale unwinder 3 pt. hitch $595.00.
(5) JD high pressure hyd. cylinder
JD A18 high pressure washer
JD 1010 22½' horizontal fold field cultivator, like new
18.4x34 snap on dual wheels w/tires

NEW FARM EQUIPMENT SPECIALS

	L.P.	S.P.
JD 4440 Tractor	$49,132	41,200
JD 2440 Tractor	22,511	19,500
JD 1050 Tractor	10,250	8,995

JD Cash Rebate Available on all the above tractors, Please call for details

JD 90 Skid Steer loader	10,633.00	8495.00
JD 125G Skid Steer loader	16,634	14,300
JD 146 loader	3576.00	2750.00
JD 240 loader	4182.00	3495.00
JD 50 tool bar w/5 subsoiler shanks	2867.25	2600.00
3 point scraper blades		
JD 65, 8'	714.00	625.00
JD 78, 8'	544.00	450.00
JD 88, 8'	869.00	775:00
JD 115, 9'	1601.00	1225.00
Bush Hog, 7'	616.00	495.00

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FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

(Combines, Tractors and Equipment on our Lot.

(Combines) Used 1980 New Holland TR 70 w/cat engine, like new with grain and 6 row C.H. Excel; Used 1980 JD 8820 fully eq. w/843 corn head real nice. 1981 JD 6620 turbo Hydro, 200 hrs., like new. 1977 JD 4400 Dsl. CA real nice like new; JD 8820 fully eq. w/4 whl drive and dual wheels used 450 hrs. like new for $68,500. New JD 4420 fully equipt. 443 C.H. 1975 JD 6600D rotary screen, good cond. 1976 Int. 715D, w/air & 13 ft. grain, field ready, never used in corn, 1977 Gleaner L2 hydro w/6 row C.H. 1976 Gleaner FD w/air and both heads (1 local owner); 1976 Gleaner KKS cab & air w/grain $12,500, 1976 Int. 915 grain head $19,900, 1979 MF 550D, excel. w/grain and corn heads. 1975 MF 510 hydra. w/grain and corn. 1973 Int. 915 gas w/grain head $8750. MF 510D w/cab, Quick Tach grain for $6950.

1968 Gleaner CII diesel w/cab and 4 row C.H., JD 7700 D w/grain & corn head.

1969 JD 55 sq. back corn special w/cab and 2 heads; Int 715 gas w/cab, 810 grain Int. 810 13 ft. floating cutter bar.

Late model Int. 303 w/cab, N.H. 985 w/cab and grain and 4 row 38" C.H. 1972 Gleaner F w/grain & C.H. NI 702D w/cab $6200. NI 702 w/729 A sheller.

TRACTORS & EQUIP. Farmall 1566 w/cab and duals, Used White 2-105 w/roll guard, Ford 4000D w/1400 hrs. excl.

New John Deeres 4040 w/Power Shift and R.G. for $23,950, New JD 4240 cab & air Q.R. for $30,000, (6) real nice balers, JD 336 w/thrower, NH 320 w/thrower, used 1 season. NH 315 w/thrower, NH 851 Round Baler (nice); JD 500 Round Baler; Hawk Built round baler.

Corn Heads JD 643, 444, 843, 343, 443, 435N, 313 for 45C, 334, 235, Massey Ferguson 1144 like new, 63, 43, 44, 24, 222, 422, Gleaner L438, F430, F438, K238, F335, F330, M430, K330, Int. 863, 864, 843, 743, 227, NI 4 row 40" heads, Case 4 row 40", MF 44 & 43 Lo Profile, Int. 6 row, 30" for 503, NH 4 row 38" C.H. New JD 444 $7350, New JD 643 $12,500, used White 706N C.H.

New Int. 3688 Fully Eq. New Int. 5088 fully eq. new Farmall 1586 w/radial tires and triple outlet for $29,500, Farmall 706 gas, 806 diesel w/cab original-Nice. 1206 real nice, new JD 4440 C.A. Quad w/radial tires, used JD 4230 w/R.G. and creeper gear, 2630, 1966-4020, 3020D WF and Diff lock. We have 5 JD 4020 side console diesels. JD 2440 w/R.G. 1970 JD 5020, 4010D WF w/dual hydraulic, Ford TW20 w/cab w/220 hrs., damaged, give us an offer, 1972 JD 4020D, WF.

TRACTORS AND EQUIP. JUST PURCHASED FROM 4 farms. John Deere - 4630 C.A., 4520 w/cab, 4020, 2630 w/146 loader, 3010D(SOLD), JD 2840, 4020 w/cab, 2020, Farmall 1086, 560 WF, Int. 444 utility gas, Ford 8600 w/cab, MF 85D. Int. 340, utility, 240 w/loader, Farmall H, Case 1660 combine, Int. #10 18x7 drill, Int. 5X semi plow. 574D, Case 870D, D.B. 1200, 990, JD 6600D combine w/flex grain and C.H. MF 82 w/10 ft. head, AC 90 pull combine, JD 700 Gr. Mixer, JD 1460 6 row no-til liquid plateless corn planter, JD 3&4 and rollover plows, NH 269 baler w/thrower, Glenco SS9 Soil Saver, Int. #710-4 & 5 x auto reset, White 5X reset, Ford 4X reset, JD 210 Disc, JD 740 Harrow, Planters - JD 7000 6 row fully eq., JD 7000 4 row. Int #56 - late model 4 row. JD 8200 grain drill; Brillion 10 ft. EQUIP. JD 4640 power shift fully eq. w/500 hrs., like new for $33,800.; Farmall 1066 w/front wheel drive used 800 hrs., JD 2630 w/loader, Oliver 2255 w/cab, Farmall 826D nice original, New NI 324 picker w/super sheller list $15,390. Special $8,475. New NI 325 picker w/super sheller, new NI 404 wheel rake; NI 2100 (Demo) liquid manure spreader list $11,300 Special $8450. Farmall 706 w/310 German D w/cab, MF 1105 w/cab and air. Farmall 656 hydro D. w/cab, Farmall 1456 original; Int. 544 utility hydro D w/2000 loader, JD 8630 fully eq. w/duals; JD 4020 D.W.F. Power Shift, JD 2520D, MF 1135 w/R.G. and dual wheels, MF 285 D. Int. 656 utility Hydro D. D.B. 1200. NH 890 2 row snapper head. JD narrow 30" 2 row crop head, like new. Used N.H. 354 Grinder Mixer, like new.

NI 325 pickup w/12 roll bed used 4 yrs.

TRACTORS 1977 JD 4230 cab, air, quad, real nice. JD 6030 C.A. Duals, real sharp; JD 6030 cab and duals, JD 4320, JD 4010D, 1 owner original, Farmall used 986 cab and air, 1566 cab and air w/new T.A., Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.

JD 4020 W.F. power shift, good tires $7700; Case 1070 P.S. $6975; JD 4020D. W.F. D.L. Dual hydraulic & cab, JD4010 D. W.F. JD 4010 Tri D, Farmall 766, 706 w/310 German D. 1 owner original, real good. Oliver 1850D, Case 930 Standard, 460D w/F.H. New Holland 770 w/2 row 30" C.H. NH 890 Harvester w/2 heads, (Summer Specials) New JD 4440. Sound guard body QR $34,800. Deutz 9006.

CULTIVATORS - New Case 3 pt. 8 row Hydro fold. JD 4 row & JD 6 row rear.

TRACTORS AND EQUIP. JUST PURCHASED FROM 4 farms. John Deere - 4630 C.A., 4520 w/cab, 4020, 2630 w/146 loader, 3010D(SOLD), JD 2840, 4020 w/cab, 2020, Farmall 1086, 560 WF, Int. 444 utility gas, Ford 8600 w/cab, MF 85D. Int. 340, utility, 240 w/loader, Farmall H, Case 1660 combine, Int. #10 18x7 drill, Int. 5X semi plow. 574D, Case 870D, D.B. 1200, 990, JD 6600D combine w/flex grain and C.H. MF 82 w/10 ft. head, AC 90 pull combine, JD 700 Gr. Mixer, JD 1460 6 row no-til liquid plateless corn planter, JD 3&4 and rollover plows, NH 269 baler w/thrower, Glenco SS9 Soil Saver, Int. #710-4 & 5 x auto reset, White 5X reset, Ford 4X reset, JD 210 Disc, JD 740 Harrow, Planters - JD 7000 6 row fully eq., JD 7000 4 row. Int #56 - late model 4 row. JD 8200 grain drill; Brillion 10 ft. seeder like new, Haybines - (2) JD 1209, NH 488, Balers - JD 346 w/thrower NH 315 w/thrower, NH 258, 256 rakes, Kuhn Hay Tedder (Harvesters) NH 890; w/3 row 30" C.H. 2 row snapperhead and pickup head. JD 3960 w/243 snapper head. Forage Wagons.

NH #8 Tandem Axle, JD 216 - tandem axle (SOLD)Gehl and Lamco; 4 hay rake wagons, JD 10 ton gear w/K.B. #375 bin. JD 158 loader, NI 325 picker w/12 roll bed, JD 237 mtd. picker and sheller Gehl 72 Flail.

Just Purchased (new) 2 NI 323 cornpickers at old prices. 2 (new) NI 213 manure spreaders, (new) NI 272 cutditioner, (new) Int. #10 flail chopper.

New JD 2940 Diesel.

CORN PICKERS - Used (2) N.I. 324 w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/grinder. Int. 234 w/12 roll bed. NI 319 mtd. picker, JD 300 w/2 or 3 row C.H. Used NI 323.

J.D. 7520 w/3 pt. & Dual Wheels. JD 4020 w/58 Loader, JD 4430 w/-sound guard, cab and Q.R. (SOLD), JD 4320 w/cab.

JD 4020 P.S. w/cab real nice.

Farmall - 1568 - V8 w/cab & air used 1000 hrs., 1566 w/cab, 1466 w/cab. 886 w/cab, 800 hrs., like new. 856D nice, Steiger Bearcat 4 whl. drive w/dual wheels and new motor in excell. cond.; Farmall 460 Gas w/F.H., Farmall 756 gas, Hi Crop- 656 diesel, 756, Cub Cadets 1650, 1450, JD 210, 200, 112, Farmall cub w/mowers.

HARVESTERS. Used JD 3960 w/long tongue and elec controls real nice for $7250, N.H. 770 w/2 row, Used Int. 720 - 2 row, for $4650. NH Super 717 1 row, J.D. 38 Chopper w/2 row, Fox 2 row snapper head. NH 770 1 row snapper C.H. Gehl 600 w/2" 30" & pickup head.

Gehl 400 w/2 row snapper head W.N. and pickup head, Fox 2 row 30" Silage Head, JD 1 row snapper head for 38 & 3800.

ALLIS CHALMERS New 7010 - AC 185 w/R.G. w/600 hrs. for $9400. AC 185 w/turbo for $8000;

AC 200 - original nice, 7040 w/cab, power shift like new, low hrs., 210 w/new 20.8x38 tires, AC 7000 P.S. w/R.G., 180D, AC H3 Crawler w/blade and winch.

JOHN DEERE New JD 4440 cab, air, power shift, $35,900. New JD 4440 cab, air Quad, used JD 4430 - 4 post, power shift, used 4230 cab, air, QR, nice, 1975 - 4430 C.A. QR. sharp. 4030, 5020 tractor puller, JD 4030 w/R.G. and Quad. JD 60 w/P.S. JD. A. JD 70 w/P.S. & 3 pt.

FARMALLS: used 1066 w/cab, air, 1 owner-looks like new, 20x38 tires for $19,500, 686 Dsl. w/1600 hrs., 1066 red cab & air, Used 686 w/cab & air, 1206 w/cab, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice. 656 Hydro D. WF 3 pt. original, Farmall 400 gas w/P.S. F.H. real nice w/4 row cult. and F.H. rear blade.

New White 2-105 w/cab $22,850. 2255 w/V-8 cat and new over and under shift.

MASSEY FERGUSON - 2805 24 spd. w/duals real nice, 1130, MF 180D. 1971 MF 1100 w/cab real nice, MF 1130 for $6250 Look at these tractor prices.

(Case) New 2090 Cab & Air, power shift $23,900; Case 1030D for $5700. Case D.B. 1200 for $3900. D.B. 995D, Oliver 1950T w/cab, 2050, 1855 w/20:8 tires 1800, 1850 w/cab, 1550 gas, 1855 w/dual wheels, Oliver 550 w/loader, Ford 6000 Commander, D, Ford 5000D real nice, Ford 3000D, 52 Ford 8N Original excel. MM Vista 1000 w/cab and loader, MM S670 diesel.

JD 2510 gas, Long 350D w/mtd. broom; Int. 460 utility w/loader.

N.I. 702 Uni tractors w/combines & 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads.

IND. EQUIPMENT - Int. 510 4 whl. drive payloader used 500 hrs. like new. Cat 933 crawler loader, Skid Loaders - Ford CL40 Skid Loader.

Ford 4000 gas loader and backhoe.

Int. 3400D. L&B Howard 3 pt. backhoe, Long 1199A-3 pt. Backhoe like new $3850.

TRACTORS W/LOADERS - JD 4020 W.F. w/58L, Int. 544 utility w/2000L, Int. 340 utility gas w/L, MF 202 Ind. w/L, Oliver 550 gas w/White 1510 L, Case 530 w/L.

Mechanics Special.

Case 1030 Needs Trans. Work. Case 1410, Farmall 460D w/F.H.

PLANTERS Used JD 6 row Conservation, fully eq. real nice. New 7000 JD 4 row w/Inst., fert. & monitor $6950, used JD 7000 six row w/fert. fill, plateless, inst. w/minimum till & monitor, (new) White 5100 4 row planter w/monitor for $6850.00, Used AC 7 row bean planter, Case 13 ft. Disc w/new blades and dual wheels. (New Haybines,) Gehl 1090 9 ft. for $4800; (used haybines), MC 7' rotary scythe, JD 1209, NH 488.

New Holland 354 Gr. Mixer.

JD 444 corn heads from $2450, and up.

Cabs for JD and Int. Tractors. New Int. #4500-16½ ft. field cult.

Glenco 12 ft. 9" Soil Finisher like new.

New JD 8300 grain drills 21x7 double disk, Used Int. #510-18x7 D.D., Farmall 560 w/Int. 234 mtd. picker, $3775.00.

Planters - Oliver Planter 6 row w/no til fert. fill, inst. AC 4 row no til w/dry or liquid fert., Woods 120 offset cutter. NH pick- up heads for 770, 717, Miller 12 ft. offset disk, Athens 10 ft. rock disk) JD Disks #210 - 12x14 ft. Int. #480-22 ft. Wing Disk, Badger 1500 gal. liquid tank spreader, New Westfield grain augers 41 ft. 8" KD=$1395, 56 ft. 8" KD=1995. Used Manure spreaders - 1 NI 214 nice, JD 54 - good, NH 518 - nice. Int. #200 Gr. drive spreader, NH 27 & 28 Blowers.

PLOWS - Ford 3x18 sp. reset(SOLD), JD 2500 6x sp. reset, JD 5x hyd. White 4X spring reset, 2 rollover plows - Int. #140 - 4x18, Oliver 4x16 rollover plows, New Brillion 21' hyd. fold packer, Used Brillion 15 ft. cultimulchers, Chisel Plows, Int. 13 ft. 3 pt. and w/gauge wheels, JD 11 ft. pull type Athens 7 and 10 ft. 3 pt., New Johnson loader.

Flail chopper, New Holland 38, Straw choppers for combines; JD 4400, 7700, 6600, MF 510, 550, Rakes NH 256, used NI 404 whl. rake.

Bargain corner Haybines - 2 New Idea 9 ft., Hesston PT 10.

Owatonna 200 haybine, NI 279 cut-ditioner; NH 469 Haybine; NH 269 Baler w/thrower; Starline tank spreader, Hawk Built tank spreader, Bearcat Gr. Mixer, Helix Gr. Mixer(SOLD); Woods 4 row stalk shredder, Int. 400 4 row, air planter for $975.00, White 5400 4 row no til, JD 1240 plateless, 6 JD 1250 and 1300 six row planters for $700 to $1450, Int. 400 6 row air planter for $1450.

Used JD 400 15 ft. rotary hoes, New White. 14 ft. field cult., Kawanee 22 ft. Wing Disk, JD 220 Hydraulic fold disk, Int. #510 24x7 DD grain drill-nice.

Loaders - used JD 58, JD 148, 46A, MF 246 QT like new, MF loader for 1105, new Int. 2250. Int. 2000 Loader, 3 pt. hitch for 630 and 730 JD tractor. New and Used J.D. Quick Couplers. 4 Used 30.5 x 32 tires.

(Combines for Parts) MF 510.

TRUCKS - 1979 Chev. C65 24 ft. rollback w/61,000 miles, like new, KW truck tractor fully eq. looks like new, Delta 44 ft. combine trailer, 1980 Silverado Chevy diesel w/every option, looks like new.

1971 Int. 2010 tandem lift axle w/20 ft. grain body dump. (New) NH Direct cut head for 770. (New) Kill Bros. gravity bins. New Kill Bros. 6 & 8 & 10 ton running gears. Pick up heads for Int. 550, 650, 350, Fox pickup head, (20) sets of dual wheels all sizes.

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JD 6600 Side Hill, Cab & Air, Choice of Heads
JD 45 Square Back w/Cab & Grain Platform & 2 Row C.H.
1973 JD 4400 Dsl. Cab & Air Choice of Heads
MF 510 Dsl. w/cab, Very Good, Choice of Heads
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JD 4020 Dsl., WF, Side Console
JD 4010 Dsl., Very Good
JD 4000 Dsl., WFE
JD 3020 Dsl. WF Side Console, Very Good
JD 3020 (SOLD)ry Nice
JD 2940 900 hrs. Like New
JD 2640 Dsl. Fully Equipped
JD 2520 Dsl. WFE
JD 1520 Hi-Lo Ind. PTO
JD 530 WF
IH 1456 Dsl. WF
IH 12(SOLD)w/Cab
IH 1066 Black Stripe
IH 1066 Dsl. Very Good
IH 806 Dsl. WF
IH 766 WF, Black Stripe, 1800 hrs., Ex. Cond.
IH 656 Dsl. Hydro
Oliver 1850 Dsl. WF 3 Spd
White 2-105 w/Cab & Air
White 4-150, 4 Whl. Drive, Cab & Air, 3 Pt. 1650 Hrs.
Ford 8600 Dsl. WF 20x38 Rubber
Ford 5000 Dsl. 8 Speed w/all Weather Cab
Ford 5000 Dsl. w/Loader
Case 730 Gas WF
AC 180D, WFE
AC 200 Dsl. WF & Cab

PLOWS -SEMI-MOUNTED

JD 1450 5x16 & 5x18
JD F145 4 & 5x16
IH 550 5x16 & 5x16 Slat Btm., Like New
IH 530 3x16, Very Good
IH 5.(SOLD)
IH 720 Toggle 5x20, Like New
IH 710 6x16 on Land Hitch

PLOWS -AUTOMATIC

IH 710 5x16 SP Reset
IH 710 6x16 SP Reset
IH 710 5x18 SP Reset
Oliver 6x16
JD 2500 6x18 SP Reset
JD 2500 5x18 on Land Hitch
IH 710 7x18 on Land Hitch SP Reset
IH 700 6x16 SP Reset
IH 710 4x16 SP Reset

BALERS

JD 346 Twi(SOLD)rower
NH 273 w/Super Sweep
NH 278 w/Thrower, Like New
IH 2400 Round Baler, Like New
JD 336 Wire

CORN HEADS

MF 24, 33, 44
AC F430
AC KF330, A330
JD 243, 244, 343, 443, 444, 643
IHC 843

CORN PLANTERS

JD 7000 Consv. 6R dry fert., auger fill, insect., pop. mon.
JD 7000 min-till 6 R dry Fert., insect., monitor
JD 1240 4R plate and plateless, insect, runner and disc opener w/dry or liquid fert.
JD 1250 6R plateless, insect. w/wo fert.
IH 56 4R dry fert., insect., excellent
JD 7000 consv. 4R, dry fert., monitor, insect.
JD 7000 4R wide & narrow, dry and liquid fert., insect., and monitor.
IH 400 4R hyd. drive, dry fert., insect.
JD 246 2R w/insect.

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AC 16' Wing Fold
JD 11'2" & 14' AW Disc
JD BWA 12'6"
Sunflower 13' Hyd. center fold, very good
JD 11' RWA Transport
JD BWF 16' to 19' wing Rock-Flex
JD BWF 12'6" Rock Flex
IH 350 12'
IH 470 Fold 17'6"

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JD 4000 Double Offset 12' 8"
Bush Hog 1437 Plowing Disc 11' 4"

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NH 35(SOLD)Nice

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JD B Grain Drill, 20 Openers w/Grass Seed, Very Good
Brillion Alfalfa Seeder, 8'
IH Field Cultivator 12'
NH 488 Haybine, like new
NH 479 Haybines
JD 146 Loader, Indep. Control Valves
IH 18.38 & 20.38 Rr. Axle Duals
Neimeyer Hay Tedder 16' SOLDew
Neimeyer Power Harrow
JD 12' Roller Harrow
IH #50 Stalk Shredder
NI 319 2 Row Mtd. w/12 Roll Husking Bed, Very Good
Nicholson SOLDedder
NI Picker Sheller 2 Row Wide and Narrow
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JD 45 3x16 Plow, Mtd.
Freeman 2000 Loader w/Snow Bucket for Ford
JD RM & RG 4 & 6 R Cultivators

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- '69 JD4020 Diesel-Side Console
- '75 JD4230 SR Transmission
- '68 JD5020 With Duals
- '59 AC D17 Diesel

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- '72 JD4400-14 Ft. Platform
- '75 JD6600 Rotary Screen, 15 Ft. Platform
- '76 JD6600 Rotary Screen, 216 Flex Platform
- '71 JD7700 - 220 Flex Platform
- '74 JD7700 - Rotary Screen, Mud Hog Drive, 16 Ft. Platform
- '79 JD7720 - Mud Hog Drive, 216 Platform

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- IH 13', 3 Pt.
- Graber 26" Flex

USED PLOWS

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- JD F145 - 6-16 Semi Plow

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- Bush Hog 7' 3 Point Rotary Mower
- JD 1210 Grain Cart 400 Bushel
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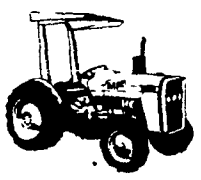

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AC D17 Dsl. Tractor
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NH 489 Haybine
NH 479 Haybine
NH 718 Harvester w/822 Head & Pickup
Fox 2000 Fg. Harvester w/2R C.H. and Pick-up
NH 36 Crop Chopper
NI Cut/ditioner
IH 440 Baler
NH 270 Baler w/thrower
NH 269 Baler w/thrower
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MF 20 Turf Tractor
MF 124 Baler
MF 34A Loader
MF 34A Loader
MF 32 A Loader
(2) MF 216 Loader
MF 640 Corn Planter
MF #43 28 Plow
MF 820 Disc Harrow
MF 520 disc harrow
(2) MF 320 Disc Harrows
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1-380 IHC 23' Folding harrow w/wings	1,875
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1-3 B btm. JD plow, pull type	395
1-4 B IHC pull type plow	495
1-3 B M-M mtd. plow	

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Amco Disc
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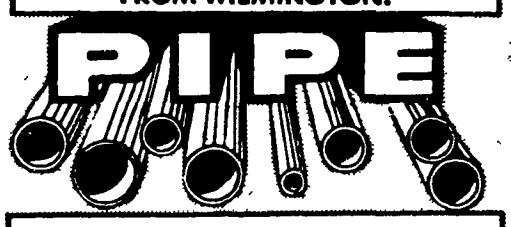

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TRACTORS
Farmall H
V-6 Detroit Diesel 478 motor, $1500
NI #19 PTO spreader
NH PTO spreader
AC B w/plows and 1 rw. cultivator
Ford 901 PS/3 pt. new tires
IH 560 Diesel
Wide front end to fit MF 85
IH 5 btm. plow
IH 1300 3 pt. balanced head mower
JD #76 tank spreader
NH wagon w/220 gravity box
IH 560 gas tractor motor, same as 403 combine
IH 60 4x14 trip trailer plow

V type snow plow
MF Rotobar rake $725
IH Rotobar rake $425
IH rake $225
3-trailer type chisel plows
Int. 455 4 row planter, double disc openers
IH 10' 370 disc
JD 10' disc
Dismantling Ford 6000 Diesel, w/WF and good motor
Dismantling IH 300 utility w/good motor
Floater w/hyd. buckets, valves and pump, fits small Ford and Massey
JD 8' wheel disk
MC 10' wheel disk
Like new 6T wagon gear w/new 8 ply tires.

DISMANTLING TRACTORS FOR PARTS
Harvesters and Corn Heads for Parts
JD 2010, 70D, 4010, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut., Supers C, H. & M. JD A, B, 50 & 60. AC WD, WC, D17. Oliver 70 & 77. Ford 8N. Case SC & V.A.C., DC. Massey 44D, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler. JD 70 G, Oliver crawler, 2 Oliver crawler loaders.
Dismantling 50 pickers for parts

KEITER'S FARM MACHINERY
R.D. #1 Halifax, PA 17032 Rt. 225 20 mi. from Hbg.
Phone: 717-362-9574

WAIT BROKE THE WAGON DOWN

Going To Buy A Used Tractor This Spring?

Don't Wait. Purchase one of our locally owned guaranteed used tractors.

Don't Wait. Because of excellent new tractor sales in recent months, we have a very good selection of locally owned clean used tractors.

Don't Wait until the tractor or machine you want is gone. BUY NOW FOR SPRING.

Farmall 766 diesel 85 HP, wide front end, 3 pt. hitch, 1973 model, good rubber, 18.4x38 rear tires, very good condition $13,750
Farmall 1086 diesel, 131 HP, cab, air conditioning, 20.8x38 rear tires, 1100x16 front tires, 1978 model, used 437 hours, like new condition ... $23,750
IHC 674 diesel utility, 62 HP, used 2353 hours, equipped w IHC 2250 Mount-o-matic loader 1977 model
Farmall 1256 diesel, 116 HP, tricycle front end, 3 pt. hitch, one owner, local tractor, 18.4x38 rear tires, used 4902 hours, excellent appearance and condition $11,500
Farmall 1066 diesel, 126 HP, 1974 model, year-a-round cab, 20.8x38 rear tires, one owner, local tractor, used 2496 hours, excellent appearance and condition, purchased from C&W in 1975 ..... $16,500
IHC 574 diesel utility, 53 HP, used 2994 hours, one owner, dual remote hydraulic valves, 3 pt. hitch, independent power take-off. $6,500
JD 2520 diesel row crop, 61 HP, synchro-range transmission, dual remote hydraulic valves, used 3471 hours, 16.9x38 rear tires w/90% tread, 3 front end weights, one set rear weights, Hinson cab, very good condition $8,250
IHC 4140 skid loader, 4 cylinder watercooled 40 HP engine, hydrostatic all gear drive, lights, used 937 hours, C&W sold it new in September 1979, 60" manure fork, 60" material bucket, excellent condition $9,750

OPEN HOUSE
Feb. 15, 16, 17, 1983

Hyster model H60C 7500 lb. forklift, 73 model F227 Continental engine, 10' mast, power steering, dual solid drive wheels
$8,000

USED TRACTORS AND EQUIPMENT

- IH 830 forage harvester w/2 row corn head $6,500
- NH 880 harvester w/2 row corn head $3,750
- IH #16 harvester w/1 row corn head, clean $1,000
- Gehl harvester w/2 heads $500
- JD #24T baler w/thrower $1,200
- IH 37 baler w/thrower $800
- IH 110 side mounted sickle bar mower $675
- IH #1300 sickle bar mower ... $1,375
- NH 256 rake $1,375
- IH #10 16x7 grain drill, double disk, excell. cond. $2,350
- Athens Rhino model 131, 13' heavy duty disc harrow w/16 bearing standards, 22" discs 4" cylinder, Midwest Buster Bar. $5,950
- Walsh 500 gal. sprayer $1,500
- NH 40' elevator w/gas engine . $1,275
- IH #93 combine w/10' platform $3,000
- IH #71 flail mower $500
- McKee snowblower $500
- IH 540 185 bushel manure spreader $1,375
- Oliver 60 tractor $600
- Farmall 560 diesel 2 pt. hitch $4,300
- Farmall 240

Winter Service Special
10% Discount on IH parts used. No mileage charge on pickup and delivery on all service work performed in C&W's shop during month of February. Financing of repair jobs is available

We ship parts by UPS daily We specialize in TLC guaranteed service

C & W EQUIPMENT, INC.
260 York Rd., Carlisle, PA 17013
717-243-4419

USED FARM EQUIPMENT

WHITE FARM EQUIPMENT

1 - White 348 Plow
3 Bottom, 3 pt.
Spring Auto Reset
$2500.00

1 - White 252 Disc Harrow
10½ Ft., 9 in. Front & 7½ in rear spacing. new 7 Gauge 20" blades, New tires
$3000.00

1 - White 543 Corn Planter
4 row 30", Plate, No-Till, Granular Fertilizer & Insecticide
$4000.00

1 - White 5400 Corn Planter
4 row 30" Aire No-till Monitor, Granular Fertilizer & Insecticide
$6000.00

NOTE: This Equipment Has Been Reconditioned By Our Shop And Is In Like New Condition.

USED WHEEL HORSE D-200

Garden Tractor, 20 H.P., Hydrostatic, w/3 Pt. Hitch, 56" Snow Blade and 60" Rear Mount 3 Blade Mower
$3995.00

USED POWER KING

Garden Tractor, 14 H.P., 3 Speed, 8x16 Rear Tires, 3 Pt. Hitch, 48" Snow Blade, Hydraulic Lift.
$2995.00

USED OLIVER TRACTOR PARTS

- 2 - Hydra - Power Transmission Rebuilt 1550, 1600, 1650 $1000.00 Exchange
- 2 - Hydra - Power Transmission Rebuilt 1750, 1800, 1850, 1900, 1950 $1250.00 Exchange
- 3 - Wide Front Axle Assemblies

Reconditioned Oliver Crankshafts w/Bearings in Stock

- 1- L-119-B, .020 Rods & .020 Mains 66 Gas
- 1- L-119-D, .010 Rods & .010 Mains Super 55&66, 550, 660, Gas & Diesel
- 1- M-119-D, .020 Rods & .020 Mains Super 77, 770, Gas & Diesel
- 1- K-119-D, .010 Rods & .010 Mains Super 88, 880, Gas & Diesel
- 1- 155-883-A, STD. Rods & STD Mains 1600 Diesel
- 1- 155-884-A, .010 Rods & .010 Mains 1600, 1650, 1655, Gas
- 1- 155-897-A, .010 Rods & .020 Mains 1650, 1655, Diesel 1750, 1755, 1800, Gas
- 1- 30-307-8663, .020 Rods & .020 Mains 1750, 1755, 1800, 1855, 1950 T, 1955, Diesel 1850, 1855, Gas

Reconditioned Oliver Cylinder Heads with Valves

1 - 60 Gas 1 - 55 Gas 1 - 1855 Diesel
2 - 550 Complete Rebuilt Gas Engine
1 - 550 Complete Rebuilt Diesel Engine
1 - New 770 Short Block

Call Paul Weaver For All Your NEW & USED Oliver Replacement Parts. We Will Ship UPS

CENTURY

WELDING EQUIPMENT and BATTERY CHARGERS

CENTURY

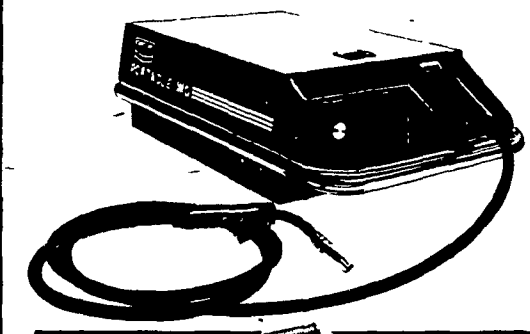
Now Available At

FARMERSVILLE EQUIPMENT, INC.

The Dealer That Gives You Service After The Sale

CENTURY'S NEW PORTABLE - MIG

No longer do you need to waste valuable time and effort to make repairs in the field.
No need anymore to invest in an engine-driven welder to keep your equipment running
No more heavy and expensive compressed gas tanks to carry around.



PORTABLE - MIG INCLUDES:
- 10 ft. Welding gun
- 13 ft. Cables to connect to batteries
- Battery clamps w/adaptors
- 10 Lb. .045 Flux corded wire
- Welding helmet
- Spare welding nozzles & contact tips

OPTIONAL ACCESSORIES:
Gas Conversion Kit & Battery Isolater/Jump Start Package

Model 110-078-000
(Pictured with High Frequency Arc Stabilizer Attachment)
INCLUDES. Instruction book, wall receptacle wide vision helmet electrode cable with holder, ground cable w/clamp

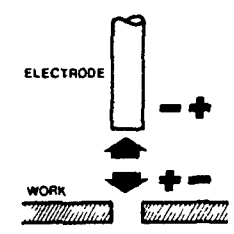
We Will Demonstrate In Our Shop Or On Your Farm Call Ken Burkhart - Now

FIVE WELDERS IN ONE

295 AMP-AC/250 AMP-DC

1. Smooth - AC Welding
2. Force - AC Welding
3. Straight Polarity - DC Welding
4. Cutting Tap - DC Welding
5. Reverse Polarity - DC Welding

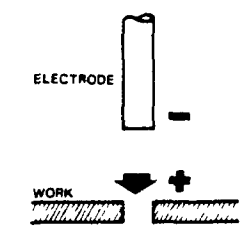
What's the difference between AC and DC Welding?



AC CURRENT
AC continuously changes polarity since direction of flow is reversed 120 times per second for common 60 cycle electricity

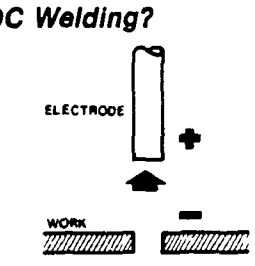
AC Current Ideal for.
- Downhand Heavy Plate
- Fast Fill
- Aluminum T I G Welding with Hi Freq
- Carbon Arc Torch

This welder has two types of AC Current:
1. Smooth Arc - for general purpose work
2. Force Arc - for carbon arc T I G attachments and new fabr cation



DC STRAIGHT POLARITY
With DC straight polarity (DCSP) the electrode is negative and the current flows in the opposite direction electrode to work

DC Straight Polarity Ideal for.
- Hard Facing
- Single Carbon Brazing
- Build up Heavy Deposits
- Stainless Steel T I G Welding
- Cutting Tap Cuts like 400 Amps



DC REVERSE POLARITY
With DC reverse polarity (DCRP) the electrode is positive and the current flows from the work to the electrode

DC Reverse Polarity Ideal for
- Overhead Welding
- Vertical Welding
- Cast Iron Welding
- Heavy Aluminum
- Rivet Welding
- Sheet Metal
- Low Hydrogen Welding
- Arc Bronze Rod

• Stop In And See These Amazing Products From Century •
• Make An Investment In A Welder That Will Last A Lifetime •
• We Will Trade Your Old Welder •

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VISA MasterCard

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Located in the Village of Farmersville, Lancaster County
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Bolens DIESEL TRACTORS

WHITE FARM EQUIPMENT

Hours; Mon.-Fri. 7:30 A.M. to 5:00 P.M.; Sat. 7:30 A.M. to 3:00 P.M.

SILOS & UNLOADERS

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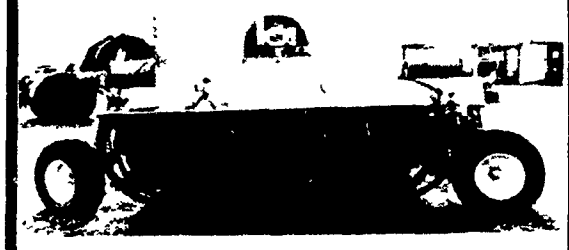
Storage System Of The Future
Factory Direct Sales on Bagging Equipment & Plastic Bags To All Farmers - SAVE $1,000's of $$$

We are the only company with a written warranty on Plastic Bags and a 2 year warranty on machinery. Our machinery is manufactured in the East.

FORAGE BAGGING SYSTEM



MODEL #8200
All Hydraulic Direct-Drive (Other Models Available)

15 Reasons Why You Should Buy Bag All

1. Inexpensive oxygen free system.
2. Unlimited capacity of storage.
3. Storage for dairy, beef and hogs.
4. Storage for all forage and grains.
5. Storage for high moisture corn.
6. No loss of vitamins, minerals and proteins.
7. No freezing and no heating of crops.
8. Storage system adapts to ALL sizes of Farms.
9. Dependable - Low Maintenance - Easy Operation.
10. Machine is easily transportable.
11. Free Silage Testing.
12. Two Year Warranty
13. Factory Direct Sales
14. Years of experience in the bagging business
15. We want to be your bagging company

This is why our competition is talking about us.

Thank you...keep talking!

We have Quality Bags

* Ag Bags 9'x135'
* Silopress Bags 8'x100' '& 8'x150'
* Hay Bags (Black & White Bags)
* Silo Liners

Used Ag Bag Machines & Silopress Machines Available For Sale.

Clip and Mail

☐ I want to know more about the Bag All Forage Bagging System.

Mail to: AMERICAN BAG ALL
107 Spring Hill Lane
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717-274-2225 Call Collect

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ADDRESS _____

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We need Dealer-Distributors and Sales people full and part time. Contact:

AMERICAN BAG-ALL INC.
Designed by American Ag-Bag
107 Spring Hill Lane, Lebanon, PA 17042
(717) 274-2225 (717) 272-3050
Evenings & Weekends

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Concrete Stave-silo, to be taken down and removed, best offer. 215-754-7925

Two Hercules silo unloaders, just rebuilt, $4500 ea. 215-933-2223

Wanted - Used Harvestore Supplement meter applicator in fair cond. 814-443-2193

20x70 Harvestore, white roof, Goliath unloader. 717-369-4473.

Used 20x40 Harvestore silo, already disassembled, phone 717-692-3718.

12' Vol. II Jamesway unloader. 717-768-3052.

Take over 10.55% lease on 2033 Harvestore structure with sweep arm auger unloader. Call Penn-Jersey Harvestore Sys., Inc. 717-354-4051.

SILOS & UNLOADERS

For Sale: Used 2050 Harvestore structure. Call Penn-Jersey Harvestore Systems, Inc. 717-354-4051.

For Sale: 20 x 60 Fickes silo with Jamesway ring-drive unloader. Five years old. Excellent condition. Available in Spring. Best offer. Call: 717-285-7426.

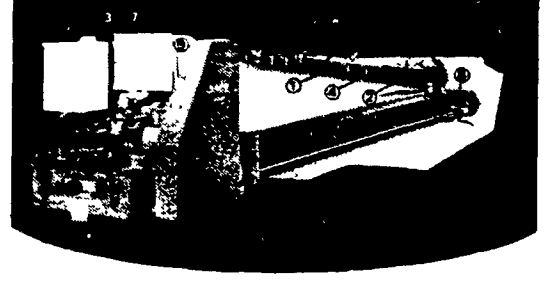
COUNTY AG SERVICE

Specializing in used Harvestore® Systems and Genuine Peacock Unloader Parts

* Repairs
* Overhauls
* Airbags
* Parts
* Digouts
* Used Unloaders

Bernville, Pa.
Call 215-488-7433

Only the Supreme Forage Challenger Bottom Unloader Offers You All These Top Features:



1 Exclusive chain guide minimizes chain wear Keeps cutting knives at proper angle Eliminates damage to silo floor
2. Short-arming is eliminated in all but the toughest conditions.
3 Exclusive Automatic Ratchet Control enables you to match cutting speed to cutting need Directional Ratchet Advance enables cutter arm to be directed forward or backward
4 Super-heavy construction Built to uncompromising standards of quality
5. Fits right into the trough of most bottom-unloaded silos
6. Can move Forage Challenger from one silo to another
7. Cutter-arm position indicator shows position of arm inside silo
8. Center-post casting is built to withstand shock loads of more than 100,000 lbs.
9 Only one motor powers entire unloader. Minimizes risk of electrical failure.
10 Designed for do-it-yourself routine maintenance

DETWEILER SILO REPAIR
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17241
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717-532-3039

NORTH PENN SEALSTOR SYSTEMS, INC.
RD 5 Central Rd.
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17815
717-387-1422

FARM EQUIPMENT

PUMPS

IRRIGATION - WASTE - MANURE - FIRE - INDUSTRIAL
New - Used
Diesel, PTO, Electric, Gasoline

REYNOLDS ALUMINUM PIPE
Irrigation, Repairs & Gaskets for:
RACE, WOSCO, WADE, IRRECO, CHAMPION, SHUR-RANE, McDOWELL, A-M AND OTHERS

SPRINKLERS: Rainbird, Skinner

MURPHY SAFETY PUMP CONTROLS

Good rebuilt GORMAN-RUPP PTO pump, also used Hale, CMC, Marlow, Peerless-Electric

EECO, INC.
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10% OFF SALE

On Spring Harrows and Auto turn carts If cash paid

Choice of carts with springs, or Straight Axle without springs.

Spring/Harrows 8' 9' 10' 12' wide
For information on delivery write
Little Britain Welding Shop
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or Call 215-932-3141
before 7 A.M. or after 7 P.M.

SILOS & UNLOADERS

SILOS & UNLOADERS

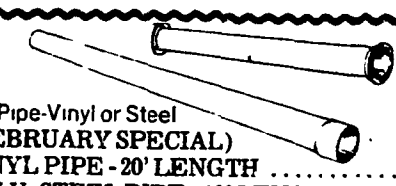
FICKES SILO COMPANY, INC.
NEWVILLE PENNA 17241
PHONE: (717) 776-3129

LANCASTER SILO CO., INC.
2008 HORSESHOE ROAD
Lancaster, Pa. 17601

CONCRETE STAVE FARM SILOS
- TAPER BOARD FEEDERS -
- BELT FEEDERS - CONVEYORS -
- SILAGE & FEED CARTS -
- ROUND HAY FEEDERS -
SUPREME & VAN DALE UNLOADERS
AUTOMATIC ROLLER MILLS
RITCHIE CATTLE & HOG WATERERS

USED EQUIPMENT:

1 - 16" Silo matic Unloader Basic Unit	$1000.00
1 - 25' Zook Liquid Elevator	$1200.00
1 - New Idea Single Row Snapper	$3000.00
1 - Rotary Scythe w/P.T.O.	$1000.00
1 - 12' Starline Unloader	$1600.00
1 - 50' Patz Chain Bunk Feeder	$495.00



Fill Pipe-Vinyl or Steel
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VINYL PIPE - 20' LENGTH $40.00
GALV. STEEL PIPE - 10' LENGTH. $35.00

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WILL TRADE OR BUY USED SILOS.
ALL TYPE SILO REPAIR WORK
Rebuilt Silo Unloaders Sales - Parts - Service
Call: 717-299-3721 Wayne or Larry

FARM EQUIPMENT

NEW TRACTORS
3088
3288
584 R/C
784 R/C
Hydro. 84 R/C
254 w/loader
284 4WD

NEW EQUIPMENT
540 spreader
335 wagon
720 auto. 5-18 plow
510 5-18 plow
42 3-16 plow
McKee snowblower for 184 tractor

USED EQUIPMENT
Oliver 550
Farmall C w/equipment

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Thorndale, PA
Phone 215-269-2676

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Oxygen limiting silos
Manure storage
Jamesway Barn equipment and a full line of silo accessories

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Silo Relining & Repairs

Extensive tests have been conducted on Gunite. Below are some of the properties of Gunite:

1. **Excellent bonding**
2. **High Density**
3. **Extreme strength and hardness**
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The excellent physical properties of the material are due to the water content being only the amount needed to satisfy chemical hydration.

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NEGLEY & MILLER SILOS

Rd1 box 93, Shermansdale, PA 17090
717-582-4108, Eves. 717-582-4930

- Wet Cast Concrete Staves
- Western Red Wood Doors
- Deluxe Colordome Roof
- Hooped For All Types Silage
- Plastered Solid With Smooth Finish

$$ SAVE $$
Special Winter Discount!

FOR SALE

2 used 12'x32' portable Barco self-contained environmental controlled trailers. Must be moved. Ideal for calf raising or pig nursery. Slatted floors w/own manure holding tanks. List price $11,000 each. Sacrifice one for $5,000 or two for $8,000.

Call George Van
215-689-6913
or after 6:00 **201-689-0018**

Excellent 28x32 1 story old peg and mortic barn, $300, 215-767-3133, after 7 p.m.

Steel beams- 21", 24", 27", $10 per ft. 609-935-5511.

Good used blue styrofoam insulation sheets. 16"x54"x3" thick, 24"x8"x2" thick, approx. ½ of new price. Also miscellaneous butcher equipment and supplies, used ammonia and Freeon equipment, 717-667-2185.

GRAIN EQUIPMENT

GRAIN EQUIPMENT

Dryall AFS grain dryer, LP fired, PTO driven, 4 million BTU, drys 275 bu. corn per hour, 420 wheat per hour, w/auto. electric loading auger and 500 bu. holding tank. 140'x6" grain aguer, PTO driven. 215-666-4510 after 6 p.m.

1 Schuld 5 ton feed bin with unloading auger and mixer and 1 hp motor, new, never set up, make offer. 215-369-1211.

DAIRY EQUIPMENT

For Sale - Rubber Matting for free stalls, stanchions, horse vans and horse stalls. Also saw dust for sale in trailer lots. Will deliver & install.301-885-5045.

For Sale - Outside calf hutches w/metal roofs & feeders. Stoltzfus Woodwork, RD2 Gap, PA 17527 along 897. 717-442-8972

For Sale - Kraiburg Happy Moo-Mats. 15 sizes. We deliver and install. Vanco Sales, RD 4 Box 300 Carlisle, PA 17013, Phone 717-776-3494

Wanted to buy - used milk tanks, 400 gal. and larger. 800-558-0112

4 DV 300 w/super claws DeLaval pipeline milkers, complete w/covers, $400. 301-348-5640

IN - STOCK - Vacuum Pumps and Controls, Westfalia 60 lb. S.S. Pail Milkers, Good used Nu-Pulse 60 lb. S.S. Pail Milkers, Good used Milk Tanks, New and used Compressors, Farm and House Milk coolers, Pre Heaters. Bylers Diesel Refrigeration, Star Route 655, Belleville, PA 17004

Custom built Double Chain Wooden Conveyors and Tapered Board Feeders. SAMUEL K. STOLTZFUS, 550 BEECHDALE ROAD, BIRD-IN-HAND, PA. 17505

1 600 gall. bulk tank, 400 gall. bulk tank, 100 gall. mixing tank, 6 valve bottle filler w/screw on cap, 215-683-9086

Esco dumping station with 220' at 1½" glass line. 215-933-2223

Ross Holmes milking parlor, 6 unit side opening, air operated gates, w/feed bowls, prep stalls, good cond. 215-827-7180 weekdays 8-4 215-777-5843 eves.

4 Bodmin milker units with large claw, 1 Bender claw washer for 4 units, 1 DeLaval 65 lb. milker bucket. 717-483-6443 Hunt. Co.

For Sale - 4 complete Surge units, clean. Pulsators overhauled in 82. Daniel Lapp, 145 Iva Road, Ronks, PA 17572.

450 gallon Esco tank Low Boy model, excellent condition. 215-384-1839.

220' 1½" glass pipeline, elbows, 45's and Tang valves. One twin milker pump, price $1200. Phone 717-776-3358.

Universal milker pump, will handle 3 or 4 units, good condition. Call 215-286-9343.

DAIRY EQUIPMENT

Wanted - weigh jars, pref. Boumatic, 304-263-9801.

Available March 1-3, Nu-Pulse milkers. 2 50 lb. and 1 60 lb. DeLaval pails, dumping station with 100 foot hose and automatic washer, 814-766-2754.

For Sale - 700 gal. Esco bulk tank. Wanted - used 1000 gal. bulk tank. 215-383-6818.

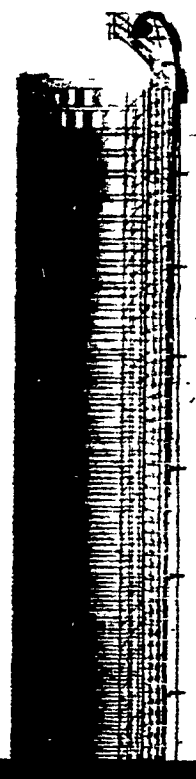
12 - 65 lb. Delaval weigh jars, 1½" bottom opening. Complete w/top, bottom valves, and mounting brackets. $350/each. 301-739-0936 Hagerstown, MD.

600 gallon tank; 400 gallon tank; 100 gallon mixing tank; 20 HP steam boiler w/heater units, good condition; Bally walk-in cooler 12x14, 6 glass door front. 215-683-9086.

Wanted- used weigh jars. 301-795-2531.

For Sale - 4 Bodmin nu-pulse units for pipeline, complete w/washer manifold, 315-539-8050.

THIS IS THE BEST WAY TO PUT UP YOUR FORAGE CROP—HERE'S WHY:



1 Better light reflectivity. The light gray Madison Vibra-Cor® staves reflect light 2½ times better than dark blue—and better than any other stave. Result: Less temperature fluctuation in the structure.

2 Better insulation value. Concrete is a much better insulation material than steel! And the unique Vibra-Cor® design makes a Madison stave better than any other concrete stave. Result: Your Madison provides lowest possible temperature variations.

3 Less expansion and contraction. The real key to top quality haylage. Less heat transfer. Less "breathing." A better atmosphere for a perfect feed—no matter how much the weather fluctuates

4 The best unloader. Laidig, Madison helped develop it and knows it inside and out. So your new Nutri-Matic® was designed to make the most of this remarkable unloader that's been called "the best there is"!

5 Greater capacity. Because a Madison Nutri-Matic® doesn't require space-robbing breather bags, you get a bonus of extra capacity! Up to four feet of valuable extra room.

6 Better service. Ask a Madison owner. For 65 years, Madison service people have been building a reputation that can't be beat

7 Lower maintenance. No breather bags to replace. A better unloader. The best silo construction in the world. No wonder Madison owners are happy with their lower maintenance costs.

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1070 Steinmetz Rd
Ephrata PA 17522
717-733-1206

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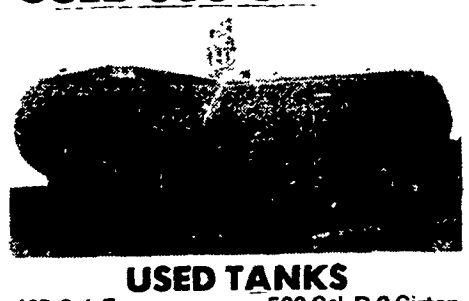

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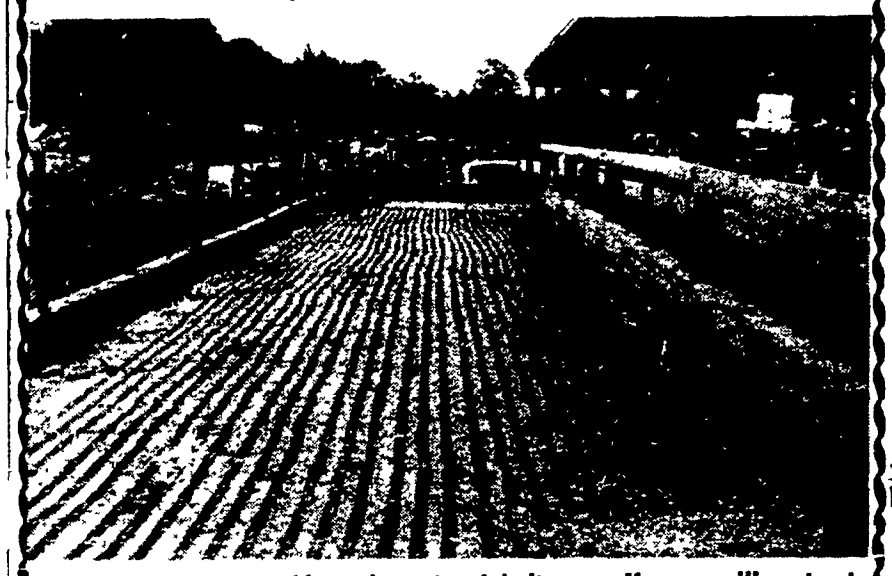

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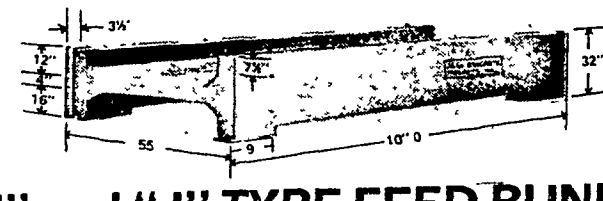

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CATTLE

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HOG EQUIPMENT & SUPPLIES

HOG BOOKS! "PIG FARMERS VETERINARY BOOK" on-the-farm prevention Symptoms-treatments, 176 pages. "Diagnosis Chart" $17.95 "THE SOW-IMPROVING HER EFFICIENCY" revised edition. 310 pages 40-photos, 30- diagrams. $22.95 "PIG HOUSING" 32 page "Blueprint" section Housing, Equipment 222 pages $18.95 SPECIAL! Above 3- Hardcover Hog Library $59.85 Value for $48.95 Postpaid. Diamond Farm Book Publishers, Dept. LF Box 537, Alexandria Bay, NY 13607.

HOG EQUIPMENT & SUPPLIES

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Duroc, Spot,
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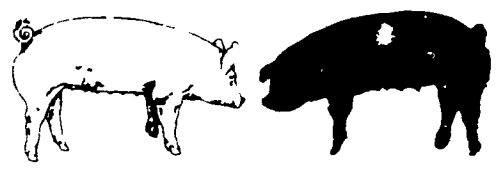

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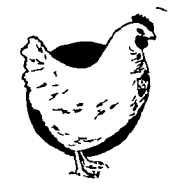

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Crops Technician with college agronomy background needed in Bedford County for established Crop Improvement Association. Insect monitoring, soil testing, crop records. Call (814) 623-5148 (8:30 A.M. to 4:30 P.M.) or write Agriculture Extension Office P.O. Box 654 Bedford, PA 15522 for application.

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Live-in mother's helper. Housework, children's care, driver's license necessary. Bangor area.

Call evenings between 6 and 9 P.M.

215-588-1111

BUSINESS OPPORTUNITIES

Petrolon distributors needed. Energy and money saving products. No experience needed. 215-682-6429.

AGRICULTURE SALES AND CONSULTANT OPPORTUNITY IN A LARGE GROWING FIELD LOOKING FOR A DAIRY SPECIALIST

* A small business is looking for a full time individual to sell and service the nation's leading dairy products.
* We are looking for people who have a strong dairy farm background and have an interest in developing a close working relationship with local farmers.
* Capable of working with feeding programs.
* Have a desire to work hard and earn a good income.

* Please send resume to Lancaster Farming, PO Box D-25, Lititz, PA 17543

BECOME A CONTRACTOR!!

Looking for a business of your own - outdoor work w/power equipment? Contract fence builders are needed for the new type of livestock and predator control fences. High tensile wire fences - by KENCOVE! Secure, long lasting, economical and easy to install. The Fences of the future. Good profit potential. We can help supply job leads for you.

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Blairsville, PA 15717
412-459-8991
Toll free in PA
800-442-6823
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800-245-6902

HELP WANTED

Retired? New Jersey Association seeks enthusiastic farmer to manage farmstead and oversee limited research/education program with local universities and schools. Write: SBMWA, R.D. #1, Box 263A, Pennington, NJ 08534 or call (609) 737-3735

Assistant Herdsman Position

Knowledge of milking, feeding, heat detection, and farm machinery required.

Send reply to
P.O. Box 366 A-46
c/o Lancaster Farming
Lititz, PA 17543

HELP WANTED

Experienced farmer. In Chadds Ford area. Good pay, benefits, house provided, references needed. 302-368-2374

HELP WANTED

Help Wanted - Part-time delivery for evenings and Saturdays in Lancaster area. 717-291-5884 ask for Rick.

CROP MANAGEMENT TECHNICIAN/CONSULTANT

Blair-Huntingdon Co. Crop Management Assoc. has a position available April 1, 1983 for ambitious, conscientous person with agronomics background. Applicant should be proficient in recordkeeping and must enjoy working with people. Please send resume to Blair-Huntingdon Co. Crop Management Assoc., RD 1 Box 182, Tyrone, PA 16686.

HELP WANTED

Help needed on Draft Horse/Sheep farm. Salary. Housing. Full-time. Box 65, Callicoon Center, NY 12724, 914-482-4764.

HELP WANTED

Ag Sales Positions open in PA, NY, MD, DE, and NJ New company with a proven product, plus service. Ground floor opportunity. Call 717-285-3979 eves. after 6

HELP WANTED

2 Positions Available

FIELD TECHNICIANS

Degree in Agriculture, plus farm experience, preferred.

Full-Time Position: Allentown area.
Part-Time Position: Lancaster area.

CALL (717) 397-2575

8 AM to 5 PM Mon. - Fri.

TRUCKS & TRAILERS

TRUCKS & TRAILERS

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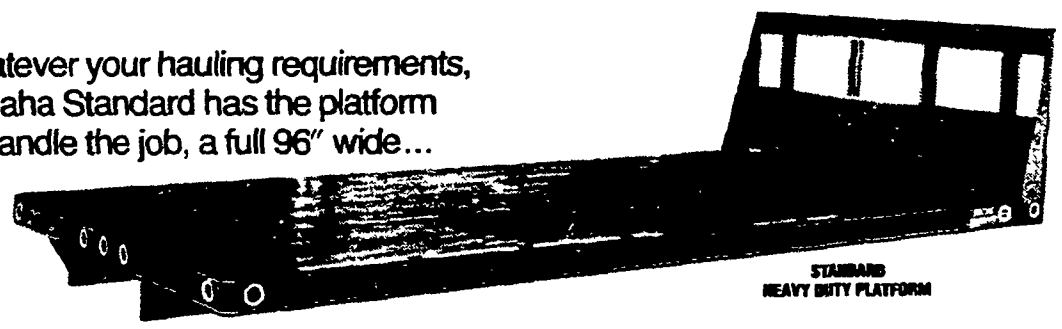
Performance Proven Platforms

whatever your hauling requirements, Omaha Standard has the platform to handle the job, a full 96" wide...



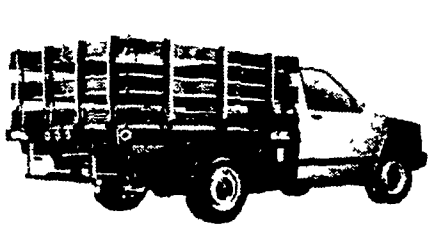
STANDARD HEAVY DUTY PLATFORM

STANDARD heavy duty platforms The platform that sets the standard for the industry For bodies 9 6 and longer a full 96 wide Designed for grain and livestock bodies contractor bodies and heavy duty stake bodies Wood smooth steel treadplate steel or steel over wood flooring

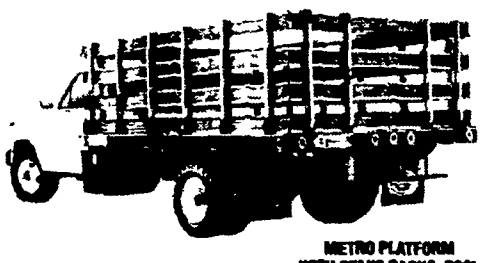
SUPER DUTY platforms The *extra tough* platform Structural steel construction throughout Heavy banding rail Designed for lumberyards contractors utilities railroads oil field operations fork lift applications and others Available with wood smooth steel treadplate steel or steel over wood flooring All lengths are 96 wide

METRO medium duty platforms A rugged yet economical platform Maximum legal width of 96 for bodies 9 6 and longer Ideal for city delivery operations nurseries electricians and other trades Floor options include wood smooth steel or treadplate steel

COMPAK platforms For economy size pickups — Ford Ranger Chevy S 10 GMC S 15 Toyota Datsun Available in platform lengths of 7 or 7 6 and widths of 72 or 78 Wood or smooth steel floors



COMPAK PLATFORM WITH STAKE RACKS, TOOL BOX AND STEP BUMPER



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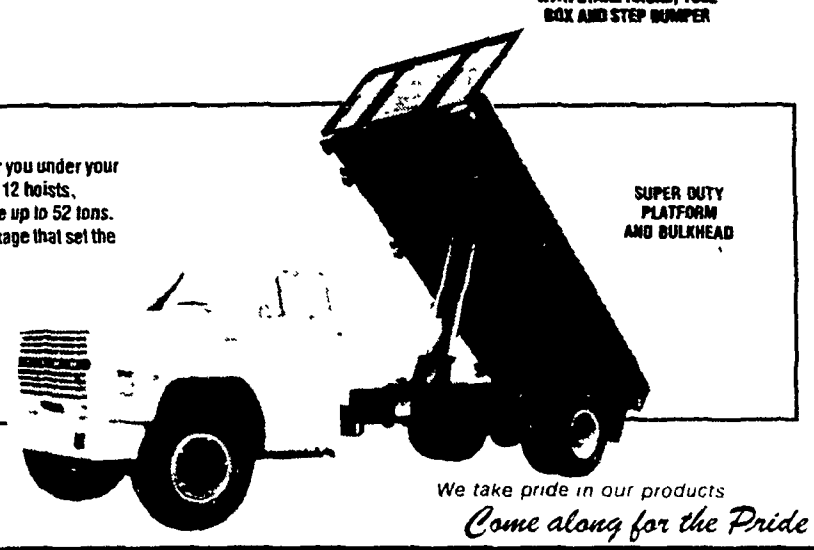

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Located in the Village of Farmersville, Lancaster County
717-354-4271
Hours: Mon.-Fri. 7:30 A.M. to 5:00 P.M.; Sat. 7:30 A.M. to 3:00 P.M.

OMAHA STANDARD

OMAHA STANDARD

TRUCKS & TRAILERS

1973 Int. 1700 Loadstar with new 10' dump body, low mileage, new condition, $9750. 302-239-7244.

1971 F350 Ford cattle truck with 9' bed, $4000, sell bed separate, $2500, call 301-848-1324 after 6 p.m.

For Sale - 1968 McQuerry 4 horse gooseneck trailer, exc. cond., new floor, newly painted, mats, $2200. 717-264-7389 Fayetteville, PA.

Wanted - Trucks and Storage trailers. We also buy trucks for parts and truck parts, motors, trans. and rears. Gas or diesel. Berks Co. 215-944-9871.

Kari-Kool milk trailer, wrecked, 2 stainless steel tanks, 2300 gal. each, make offer. 215-932-2382 or leave message at 932-8386.

1981 Chevy, Silverado, 1 ton, 4 wheel drive, many extras, almost new 10' aluminum Eby livestock body, excellent condition, will sell w/or without body. John Strawbridge 301-996-2022.

For Sale - truck trailer combination, 65 Ford C-600 flatbed truck, 16' bed, 3 axle trailer max. 19,500 lbs., good for hauling large bales of hay and equip., $3100. 717-624-4262.

1982 Tristar tri-axle gooseneck 30' flatbed trailer, 21,000 lb. GVW with equip. ramp and 12.00x16½ tires, must sell, make offer, financing available to qualified person. 215-369-1211.

1978 GMC truck, 33,000 GVW, new 18' knapheide grain body and hoist, very nice unit. 717-667-3921.

For Sale - 1981 350 Ford truck w/8' box and 500 gal. stainless Little John Blue sprayer, ps, air cond., 4 spd. trans., 15,000 mi. 717-362-3333.

Autocar truck tractor-Cummins Diesel, 10 speed transmission, aluminum cab and frame, older but solid unit, $3500, 215-827-7244.

For Sale - 1969 Int. truck tractor S.A. wetline with 16' Gramm dump trailer, holds 400 bu. corn. Make offer. Schuylkill Co. 717-425-3278.

5 ton army truck dump, tandem all wheel drive, 11.00x20 tires, 5 speed trans., hi-lo range, $4600, 609-769-3183.

Wanted - F-250 late model truck, must be White and in good running cond., Summit View Farms, 814-735-3293.

Wanted - Morite stock trailer, 16x6 or bigger, in good cond., Summit View Farms, 814-735-3293.

TRUCKS & TRAILERS

For Sale - 1969 Int. twin screw, 250 Cummins 20 ft. Omaha Grain Dump box, bed only 18 month old. 717-838-5154 after 6 P.M. Palmyra, Lebanon Co.

For Sale - Trucks and Trailers. 25 ton General 5th wheel lowboy trailer $6000. Dump trailer 16 foot box, 18 foot frame, tandem axle, 10:00-20 tires $1000. Montour Co. 717-437-2778.

1976 Dodge short bed truck, five new tries, 4x4. 215-347-2232.

1950 Ford F-6 cab and chassis 360 V8, good condition. 1968 GMC 5500 V6 dump, good conditoin. 814-632-5781 evenings. Huntingdon County.

1979 Chevy Model C-10 Pickup Custom Deluxe - 350 Diesel Automatic - PS - TS Dual Tanks. Clean, Low Mileage, $3875. 717-665-2271.

1971 GMC truck w/side 12" chipper, $3500, 215-885-1032.

16' all aluminum grain body, removable sides, 2 way tailgate, 9 months old. 215-285-6264.

1978 Ford F250 3/4 ton pickup truck, 351 engine, auto., P.S./P.B., air, $2,600. 717-532-6540 Shippensburg.

1977 GMC 6500 with 26' Groves rollback with winch $13,500. 607-642-8688 or 8519.

1970 White conventional tandem long wheel base, 38R. 13 sp. 250 Cummins take 20' body, $3,500. 814-793-2829 Curry Supply.

Kari-Kool milk trailer, wrecked, 2 stainless steel tanks, 2300 gal. each, make offer. 215-932-2382 or leave message at 932-8386.

TRUCKS & TRAILERS

1974 Ford F100, ½ ton pick-up with load extender springs, custom deluxe, great condition, 2-tone paint, deluxe interior, air conditioning, power steering and power brakes, no rust, radial tires; $2500 negotiable; (717) 397-2093, 285-3051 or 301-666-8477

'71 Brockway tri-axle dump, $13,500, real good cond. '75 Ford cattle truck, hauls 12 cows, $5,000, Grove self-unloading wagon $550, 717-432-2883, between 5 and 6 p.m.

Diamond T truck, new paint, new Cummins 205, 600 bu. capacity, reasonable. 201-788-5689

16' alum. tub Fruehauf dump body, complete, in good cond., $3000. 717-532-9271

1964 Ford 21,000 GVW w/12' stake dump w/sides and tailgate, good farm truck. 215-932-3173

1977 Int. 1800 404 V-8, 5 spd., long wheel base, double frame, 10.00x20 tires, 28,000 GVW. 301-877-9889

1982 Chev. diesel motor, the new model 6.2 liter, 6000 mi., $3800. Also half tracks for small 2 plow tractor, aluminum, like new, $400 a set. 717-273-6018 after 5 p.m.

1974 Ford LNT 9000 56,000 gvw 318 Detroit, 13 speed 18,000 ft. axle 38,000 rear 16' city aluminum dump bed, excellent cond. Somerset Co. 814-445-7769

1970 Ford L9000 tractor, 318 Detroit, tandem axle, wetline, 10.00x20 tires, 12000 steering axle, ps, needs paint, $5000 or best offer. 215-273-3211

For Sale - 1975 C65 series Chev. cab and chassis, tandem rears, exc. cond. 717-382-4254

*1981 B-350 Van, 9000 GVW
*2-1980 Colts, auto. and 4 speed
*1980 Chevy Chevette, 4 door, 30,000 miles
*1980 Mirada, loaded, 25,000 mile, like new
*1-1978 Diplomat, wagon
*1979 W 150 4x4 Club Cab
*1978 GMC Pick-up w/cap $2695
*1972 Volvo, 4 speed,
*1976 VW Rabbit
*2-1981 024 2 door hatchback Omnis

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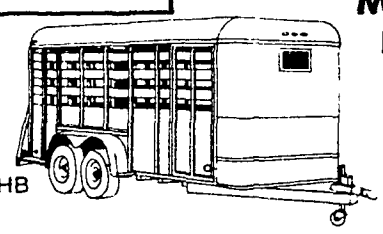
Elizabethtown, PA
PHONE 717-367-1808

MORITZ



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With Brakes on Both Axles

Following prices include freight:

6x10	no divider gate	$2195.00
6x12	no divider gate	$2395.00
6x14	with divider gate	$2595.00
6x16	with divider gate	$2795.00
6x18	with divider gate	$2995.00

Optional two-slat side - add $75 to above prices.
Similar Savings on Gooseneck Models.
These prices good through Feb. 28, 1983.

Hostetler Truck Bodies & Trailers
Rt. 322, Milroy, PA 17063
Phone: 717-667-3921

PICK UPS

1980 Ford F250 Super Cab, 351 V8, Auto., PS, PB, AM Radio, 2 Tone Brown & Tan, 33,000 Miles $7995
1980 Chevy C10 Diesel, A, PS, PB, AM Radio, 27,000 Mi. . . . $6995
1980 Chevy C10 Custom, 260 6 Cyl., 3 Speed, AM Radio, 20,000 Miles $5995
1980 Datsun, 4 Cyl., 5 Speed, PB, Air Cond., AM-FM Stereo, 32,000 Miles, Blk. w/Blk. Toneau Cover $4995
1979 Ford F100 Ranger, 6 Cyl., Auto., PS, PB, AM-FM. $2995
1979 Chevy C-20 Cheyenne, Trailer Special 454 V8, Auto., PS, PB, Air, Tilt Wheel, Dual Tanks, AM-FM, 8200 GVW, 34,000 Miles $7495
1979 Ford F150 Custom, 300 6 Cyl., Auto., PS, PB, AM Radio. $5795
1979 Ford F100 Custom, 302 V8, 3 Speed, PS, AM Radio. . . $4995
1979 Ford F250 Ranger, Super Cab, Camper Special, 460 V8, Auto., PS, PB, Air Cond., AM-FM, Toneau Cover, 8100 GVW, 2 Tone Blue, Tilt Wheel $7995
1978 Chevy LUV, 4 Cyl., 4 Speed, AM Radio, Sliding Rear Window, Alum. Cap. $3995
1978 Datsun Pickup Long Bed, 4 Cyl., 5 Speed $3695
1978 GMC Shortbed, 6 Cyl., Auto., PS, PB, AM-FM, Air Cond., Cap, 1 Owner Truck, 33,000 Miles $4995
1977 Chevy C10 Silverado, 350 V8, Auto., PS, PB, Power Windows & Locks, Cruise Control, Tilt Wheel, AM-FM, Dual Tanks, Sliding Rear Window, 2 Tone Paint. $4995
1976 Ford F100 w/Ford Fiberglass Cap, 360 V8, 3 Spd., PS, AM Radio. $3495
1973 Ford F100 Custom, 360 V8, 3 Speed. $1895
1969 Ford F250 Custom, 360 V8, 3 Speed, Good Wood-hauling Truck $795

SUBURBANS

1980 GMC Suburban, 4 Wheel Drive, 350 V8, Auto., PS, PB, AM Radio, Lockout Hubs, Aux. Rear Heater, 30,000 Miles. $8495
1979 Chevy Scottsdale 4 Wheel Drive Suburban, 400 V8, A, PS, PB, AC, AM-FM Radio, 31 Gal. Fuel Tank, Equalizer Hitch & Brake Pkg, Dk. Brown Metallic. $8995
1973 Chevy Suburban, ¾ Ton, 350 V8, Auto., PS, PB, AM-FM. $1995

STAKE BODY

1978 Ford F350, 12 Ft. Stake Body, 351 V8, 4 Speed, PS, PB, AM Radio, Dual Wheels, 10,000 GWV $5995

VANS

1982 Chevy Conversion Van, 6 Cyl., Auto., PS, PB, Air Cond., AM-FM & Tape, CB, only 7000 Miles - Like New. $15,900
1981 Ford E100 Econoline, 6 Cyl., Auto., PS, PB, AM Radio, Dual Tanks $6895
1979 Ford E250 12 Pass., 351 V8, Auto., PS, PB, AM Radio, 37,000 Miles $7495
1979 Dodge B200 Panel Van, 318 V8, Auto, PS, PB, AM Radio. $5495
1979 Ford E150 Econoline, 351 V8, 3 Speed Standard, PS, PB, AM Radio, 45,000 Miles. . $4995
1979 Chevy 8-Passenger Beauville, 350 V8, Auto., PS, PB, Air Cond., Tilt Wheel, Cruise Cont., AM-FM Stereo, 33 Gal. Tank. $8995

VANS CONT'D

1977 Dodge 8 Passenger Royal Sportsman, Trailer Special, 440 V8, Auto., PS, PB, Air Cond., AM Radio. $6995
1977 Chevy Short Wheel Base Window Van, 5 Pass., 350 V8, 3 Speed Standard, PS, PB, AM-FM & 8-Track $4295

4 WHEEL DRIVES

1982 Ford F150 XL, 302 V8, 4 Speed, PS, PB, AM-FM Stereo, Dual Tanks, Dk. Brown Metallic & Buckskin, only 10,000 Miles, Still Under Factory Warranty . . $11,500
1981 Blazer Silverado, 350 V8, Auto., PS, PB, AM-FM Stereo, CB, Posi-Traction Rear, Air Cond., 31 Gal. Tank, 17,000 Miles. $12,900
1980 GMC Suburban, 4 Wheel Drive, 350 V8, Auto., PS, PB, AM Radio, Lockout Hubs, Aux. Rear Heater, 30,000 Miles. $8495
1980 Chevy Blazer Silverado, 350 V8, Auto., PS, PB, Air Cond., AM-FM Stereo, Tilt Wheel, Lockout Hubs, 25,000 Miles. $9895
1980 Chevy Blazer, 6 Cyl., 4 Speed, PS, PB, AM-FM Stereo, Lockout Hubs. $8495
1979 Dodge Ramcharger, 318 V8, Auto., PS, PB, AM-FM . . . $6995
1979 Chevy Blazer, 350 V8, Auto., PS, PB, Air Cond., AM Radio, Rust-Proofed, 2 Tone Paint. $8495
1979 Ford Bronco Custom, 351 V8, Auto., PS, PB, Air Cond., AM Radio, 34,000 Miles, 2 Tone Red & White . . . $8695
1979 GMC Jimmy, 350 V8, A, PS, PB, AM Radio, 2 Tone Black & Silver $8295
1979 Chevy Scottsdale 4 Wheel Drive Suburban, 400 V8, A, PS, PB, AC, AM-FM Radio, 31 Gal. Fuel Tank, Equalizer Hitch & Brake Pkg., Dk. Brown Metallic $8995
1979 Ford F150 Custom, 351 V8, A, PS, PB, AM-FM, Lockout Hubs, 22,000 Mi. . . . $7995
1978 Jeep CJ-7 Renegade, 304, V8, Auto., PS, PB, AM Radio, Transmission & Transfer Case Rebuilt in Last Year, 35,000 Miles, 5 New Radial Tires, Needs Rust Repaired, As Is. $3700
1978 Ford F250 Crew Cab, 351 V8, Auto., PS, PB, AM Radio, Lockout Hubs, Toneau Cover, 48,000 Miles $7995
1978 Dodge W-150 Shortbed Stepside Adventurer, 318 V8, Auto., PS, PB, AM-FM Radio, 46,000 Miles, All Black. $5995
1978 Dodge Ram Charger, 318 V8, Auto., PS, PB, AM Radio, All Black w/White Spoke Wheels $5995
1978 Plymouth Trailduster, 360 V8, Auto., PS, PB, AM Radio, Chrome Slot Wheels, 2 Tone Maroon & Silver, 39,000 Miles. $6995
1977 Jeep Honcho Pickup, 401 V8, Auto., PS, PB, Air Cond., Tilt Wheel, Cruise Cont., AM-FM Stereo, Blk. w/Alum. Cap $5995
1977 Blazer Cheyenne, 400 V8, Auto., PS, PB, Air Cond., AM Radio, CB, Posi- Traction Rear, 31 Gal. Fuel Tank, 2 Tone Paint $5995

MIKE RHODES & CO.
"THE TRUCK PEOPLE"
Rt. 663 & Swamp Pike, Gilbertsville, Pa.
Area Code 717 or 215 Call Toll Free
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or 215-327-1380

TRUCKS & TRAILERS

Dump body 13' removeable sides, hinged tailgate, cab, guard, good cond., 215-987-6122.

For Sale - 8-20 hole Smidley feeders, used 1963 F-750 Ford truck. Homemade 5th wheel trailer, 21' Suger 6", Dauphin Co., 717-896-8755, ask for Dave Rode.

Truck 360, V8-900x20 tires, no 2 speed rear, low compression in 2 cylinders, Dauphin Co., 717-896-8766, ask for Dave Rode.

For Sale - 1969 Ford F-600, 21,000 GVW, 21' bed, set up for hauling hay, runs good, $2200. 717-582-8305.

1971 2110 IH tractor and tractor, $4,500. 301-335-8518.

Ford 69 C7000 w/175 Cat. Diesel motor, 5+2 speed axle, 10.00x20 radial tires, 125,000 miles and long wheel base, 703-885-2165.

Heil 7,000 gal. aluminum tank trailer; Miller 8 ton tilt top trailer; 1979 Summit dump trailer, 33 ft. frame and 32' box, tarp and 11.24 5 steel bud wheels. 717-235-3004 or 717-428-3037.

1980 Chevy C10 Diesel Pickup truck, dual fuel tanks
Call Kieth Beck
Suttiff Chevrolet
717-234-0181

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1 1975 Peterbilt Tractor conventional cab, 3 axle, Cummins engine, 110,000 miles, perfect cond.
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FOR SALE
1973 MARMON TRUCK
Ten Wheeler
w/28 foot aluminum double deck livestock box
717-367-3202

AUTOMOBILES

Suzuki, 1980 GS450T, maroon metal flake paint w/pin stripes, polyglycoat, star wheels, 6 speeds w/LED gear position indicator, storage compartment under seat. Many extras. Before considering spending $1000 more for 1982 bike, check this one out. Perfect condition, garage-kept, never intentionally rode in rain, sharp looking, $1300 negotiable. Call 717-285-3051 or 397-2093

1969 Mustang Mach I with 351 Cleveland and 1965 fastback with 289, both are in good cond., 717-327-1366 or 717-322-0031.

NOTICE

Silage, hay, corn, steers, Farmall "A", $950, RCA refrigerator, $100, moving, 717-354-9305.

TRUCKS & TRAILERS

'74 IH cabover sleeper, 318 Detroit, twinscrew, low mileage, 10:20 radial tires, sliding 5th wheel, PS, $9,500. 215-286-9510

TRUCKS & TRAILERS

For Sale - 10' wood livestock body; 12' wood livestock body; 16' wood livestock body; 20' wood livestock body; 21' wood livestock body. New 1983 Eby 20' goooseneck trailer. M. H. Eby, Inc., Blue Ball 717-354-4971.

1961 White Truck Tractor w/10 SP R.R. Trans. 220 Cum. Diesel, wet Line, 24' Trailco Grain Dump Trailer..... All For $5500.00
6 Cyl. Cum. Diesel Power Unit w/ Pulley and Hand Clutch. Looks and Runs Like New $5500.00
Hyster Fork Lift w/4 Cyl. Wis. Eng. and Pneumatic Tires. Needs some Work $1500.00
Clark 6000 Fork Lift w/Propane Tank 6 Cyl. Cont. Eng. Needs Some work $1800.00
Old J.D. Combine w/210 Corn Head and 10' Grain Platform $1000.00

Other Excess Equipment For Sale Cheap...

SHADE GAP MILL
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Shade Gap, PA 17255
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PETS

AKC female Cocker 1½ yrs. old, $75. AKC female Ger. Shep. $150, Lapp dog kennel, insulated w/wire runs, $400, Berks Co. 215-689-5230.

ASCA reg. Australian Shepherd pups, blue muriels and blacks, working parents, great guard dog and companions, all shots and wormed, 301-797-5209.

AKC Chocolate Labrador Retriever puppies, top quality, highly proven bloodlines. Stud Service also. Cumberland Co. 717-776-5973, 717-776-6506.

For Sale - Registered Australian Shepherd pups, guard or working dog, born 12-12-83, reasonable. Elmer S. Stoltzfus, Gap, R.D. 1, Box 463, PA 17527, 17 miles east of Lancaster and 1 mile south of 340 on Millwood Rd.

AKC German Shepards, excell. breeding stock, 1 male, 7 females, also kennels, reasonable, 215-857-3463.

Registered Australian shepherds, champion working bloodlines, only two left. 717-285-3023.

Newfoundland pup, AKC, black female, Lancaster 717-392-4829.

PETS

Wanted: Puppies, all breeds. Jack's Dog Farm, Rt. 611 Pipersville, PA 18947. 215-766-8802

500 pups wanted on March 1, 1983. I need cute, healthy pure and mixed breed pups, 6-8 wks. old. Contact Jo Jo the Dog Man at Root's Farm Market, Manheim, Pa on Tues. March 1, 1983, 5-8 p.m. $50 prize for the cutest pup purchased. P.S. Puppy stand closed January and February. Do not bring any pups to Root's as there is no puppy buyer there. Thank you. Jo Jo.

Wanted - puppies for pets, AKC, purebred and mixed, will pick up. 717-442-4259

AKC Registered Shetland Sheepdog pups. 717-768-8569.

Breeding Stock for sale - A.K.C. Doberman Pincher female bk. and rt. 2 yrs. old and 1 yr. old Dobe. Male Fawn. $200 for both. German Shepherds. Females. Schil lines $350 for both. Two Lhasa Apsos Male 7 mos. Female 3 yrs. $250 for both. Fassler - Susq. Co. 717-934-2481.

Adorable frisky Jack Russel Terrier puppies, 12 weeks old, parents of Scottish descent, call 717-367-8519 Larry Edwards, R.D. 5, Box 368, Elizabethtown, PA 17022.

CATTLE DOGS

Registered Red and Blue Heeler pups for sale. Guaranteed to work stock.

2 year old working female and 3 month old male pick of the litter, shots and wormed.

For more information contact:
Kathy Lawson
Rt. 3 Box 122A
Smithburg, MD 21783
301-824-3152

PETS

Stud Service: Boston Terrier. Quality and excellent disposition. Occasionally puppies for sale. R.J. Kennel, Fayetteville, PA 717-264-7389.

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in litter lots for resale in my pet shop.
Purebred & Mixed breeds needed.
Cash paid.
Will pickup.
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Mon., Tues., Fri.
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HOUSEHOLD GOODS

For Sale - Prizer Cook Stove, excellent shape. 215-593-5754.

Rite May coal or wood heater, $175. 814-623-2804.

Gas refrig., 6.4 cu. ft. Servel, 4 ice trays, new gasket, $200. Frigidaire 9 cu. ft. with 3 cu. ft. freezer, new gaskets, $150. Upright piano, $200. Bicycle carrier, $5. Earth auger, $5. 9x12 green outdoor carpet, $35. 27"x54" sculptered green rug, $10. Call Gloria Haller eves. or weekends for appt. 717-397-3869.

MISCELLANEOUS

For Sale - Bag cleaner, bag mender, Singer #47W70 Bag Baler w/extra wire, antique stone Buhr mill w/54" laminated stones, Dehlinger plate mill, wind mill grain cleaner w/extra screens. All equipment complete and in good running condition. E.E. Eby, RD#2 Box 26, New Bloomfield, Pa. 17068 717-582-4212.

For Sale - firewood, delivered in large truck loads, local or long distance, Snyder Co., 717-374-9571.

Wanted to buy - Log forks for JD 440, 350 or 450. Call after 8 P.M. 703-364-1389.

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CODE	NAME	% RPT	DAUGHTER AVE. MILK	%	FAT	PREDICTED DIFFERENCES MILK	%	FAT	$$	HFA PDT	% RPT
9H584	Cal-Clark Board CHAIRMAN	79	18764	3.7	684	+2438	-.10	+72	+269	+1.96	82
9H599	Sunny-Craft Chief SPIRIT	76	17784	3.8	675	+1660	+.09	+74	+240	+1.16	79
9H625	Fivebrooks STARFIRE	73	18876	3.5	655	+2082	-.14	+53	+233	+0.21	76
9H616	Oak-Hillranch LIBERTY	53	19085	3.5	669	+2041	-.16	+49	+223	+0.35	61
9H176	Letters Burkgov TRUMP	99	18045	3.7	659	+1684	+.00	+61	+219	+0.22	97
9H587	Ivajen LONE RANGER	69	17612	3.8	676	+1486	+.09	+68	+218	+1.26	73
9H107	Arlinda JET STREAM-twin	99	18564	3.5	647	+2104	-.21	+43	+217	+0.41	99
9H619	Coldsprings HELIOS	76	17305	3.5	607	+1902	-.08	+53	+213	+0.22	77
9H626	Brownking SAUL	58	18200	3.5	632	+1868	-.12	+48	+209	+0.83	49
9H628	Rynd-Home Excel SENSATION	66	18348	3.5	633	+1979	-.19	+41	+205	+0.30	71
9H608	Coldsprings HAMLET	66	18322	3.4	630	+1957	-.20	+39	+200	+0.27	73
9H801	RECKERS Freedom	62	17854	3.6	642	+1551	-.02	+54	+198	-0.24	53
9H589	Reu-Hel Farms Chief STANDARD	721	18084	3.7	673	+1442	+.02	+56	+194	+1.12	78
9H557	Killdee Astrochief WISEMAN	85	17244	3.7	629	+1449	-.01	+51	+186	+1.97	84
7H58	Round Oak Rag Apple ELEVATION	99	18357	3.6	669	+1431	-.01	+51	+185	+2.12	99
9H635	Pack-Herd BUNKY BOO	71	18211	3.5	634	+1764	-.16	+38	+185	+0.07	65
9H787	vigo Starlite ELVATE	60	20417	3.7	764	+1335	+.04	+55	+185	+1.25	64
9H196	Shardale Arlinda Chief JEMINI	99	18071	3.7	671	+1245	+.08	+57	+182	+0.71	98
9H603	Glen-Ett Milu BENEDICT	82	17227	3.5	599	+1663	-.15	+37	+177	+0.33	83
9H581	Ken-Ric Marcus NEIL	71	18950	3.4	637	+1938	-.29	+24	+173	+1.08	75
9H786	MAR-BIL Glendell Master	45	18795	3.7	695	+1463	-.07	+42	+172	+1.21	32
9H576	Remvale Elevation SAXON	79	17473	3.7	653	+1195	+.06	+53	+172	+0.63	74
9H614	Junge J S SCOUT	75	17897	3.5	623	+1717	-.20	+31	+170	+0.42	79
9H643	Art-Acres HAGER	66	17908	3.5	631	+1453	-.08	+40	+167	+0.07	49
9H561	Pack-Herd Elevation TERENCE	82	17531	3.7	649	+1318	-.06	+38	+155	+1.54	76
9H577	S-S-F Gay Ideal BUBBLER	79	17303	3.4	595	+1605	-.22	+24	+150	+1.94	79
9H588	Dandy-Lea Bicentennial BART	74	17447	3.8	657	+1134	-.01	+40	+146	+0.87	74
9H148	Will-Tri Frans LEGACY	99	17522	3.6	638	+1122	-.01	+40	+145	+0.14	97
9H622	Breezyview Job Royal STEWART	74	16992	3.7	627	+1134	-.03	+37	+141	+1.77	75
9H574	Dorloy Monitor DINO	77	18018	3.6	643	+1303	-.14	+26	+133	+1.32	77
9H602	CREEK-Bluff Elevation Lester	98	17618	3.7	645	+1031	+.01	+39	+137	+0.83	95
9H568	Ovaltop INDEPENDENCE	80	17337	3.7	643	+1032	-.01	+36	+132	+1.44	80
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9H617	Sleepy-Hollow MAG-CHIEF-Red	77	16280	3.6	590	+709	-.01	+25	+91	+1.19	81

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- ★ 9H626 Brownking SAUL
- ★ 9H628 Rynd-Home Excel SENSATION
- 9H801 RECKERS Freedom
- ★ 9H635 Pack-Herd BUNKY BOO
- 9H786 MAR-BIL Glendell Master
- ★ 9H643 Art-Acres HAGER
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Franklin Holstein Club honors junior members, top producers

BY BETH HEMMINGER
Staff Correspondent

KAUFFMAN — Awards, presentations, recognition and an evening of fellowship completed another successful year for the Franklin County Holstein Club members at their Annual Meeting and Banquet.

Junior Holstein Club members went home Tuesday evening with some very prestigous awards.

The Cider and Meyers family stole the junior show as their names were called respectively for the honors. Winning the award for the first place 2-year-old in fat was J. Arlan Crider with his cow El Dor Astronaut Phoebe with a record of 723 pounds of fat and 18,136 pounds of milk. El Dor Astronaut Phoebe also was a 1982 Honorable Mention Junior All-Pennsylvania.

Rodney Meyers won the award for the highest milk record of a 2 year old. Rodney won the award with Aldina Bootmaker Janie with a record of 18,894 pounds of milk.

Beverly Meyers, sister of Rodney won the milk and fat award with 3-year-old Aldina Inspiration Blossom. Blossom won the award with a record of 20,460 pounds of fat and 756 of fat.

El Dor Gay Paula owned by J. Arlan Crider won the first place 4-year-old milk and fat title with a reocrd of 24,535 pounds of milk and 862 of fat. And, the final junior production award was presented to Roser Crider winning the 5-year-old milk and fat award with his animal Antrim Spring Centurion Fancy. Centurion Fancy has a record of 21,912 pounds of milk and 817 pounds of fat.

Winning the junior member distinguished boy and girl of the Junior Holstein Club was Deborah Cashell winning the honor of Franklin County's Distinguished Senior Girl. And, the Franklin County Distinguished Junior Boy was Micheal Cordell.

Winning in the adult member production program was Dr. W.A. Bender of Cublertson Green Farm. Dr. Bender received the fat production award with CeeGee Jane Norapit Maud producing 1,230 pounds of fat for her record.

Richard Meyers o. Myr-Lea Farms won the milk production award in the county with Mry-Lea Marsha Magnet with a production record of 30,029 pounds of milk.

Among other awards presented at the Annual Meeting were the trophies for the 1982 Champions of the Franklin County Holstein Show.

Winning the Grand Champion Female trophy was Crais Woodring of Ment Wood Farms winning the title with Kingstead Miss Elevation. Miss Elevation was recently classfied an Excellent 91. Reserve Grand Champion title went to Robert Eckstine of Meadow-Yu farm with Meadow-Yu Rag Apple alice also classified an Excellent 91.

Beverly Meyers won the Junior Champion female Trophy with Windy-Knoll-View Very Shanna. Beverly's Junior Champion also was a 1982 High Honorable Mention Junior All-Pennsylvania Senior Heifer Calf.

And, the award winner of the Reserve Junior Champion title was James and Nina Burdette winning with Windy-Knoll-View Sexation Miss who was name the All-Pennsylvania Junior Heifer Calf for 1982. Others who held the titles of All-Pennsylvania Awards were Rodney Meyers winning the Reserve Junior All-Pennsylvania Junior Heifer Calf title with Windy-Knoll-View Gold Jina. Donna Cashell won the High Honorable Mention Junior All-Pennsylvania Senior 2-year-old with Aldina Astronaut May.

Four new directors were elected to 3-year-term positions. The new directors are Roy M. Cordell, J. Robert Meyers, Jr., Fred Rice and Jaye Young.

Providing an informative and entertaining speech for the evening was Michael Weimer, Director of Sales, Pennsylvania Holstein Association presenting a slide show on Franklin County Holsteins abroad in Saudia Arabia.

Franklin County had five 1983 All-Pennsylvania awards: back row, left to right, Rodney Meyers, winning the Reserve Jr. All-Pennsylvania Junior Heifer Calf; An Honorable Mention for the Junior All-Pennsylvania 2-year-old cow went to J. Arlan Crider; James and Nina Burdette were the recipients of the All-Pennsylvania Junior Heifer Calf Award; front row, left to right, a High Honorable Mention Junior All-Pennsylvania Senior 2-year-old Heifer went to Donna Cashell, and Beverly Meyers won the award of High Honorable Mention Junior All-Pennsylvania Senior Heifer Calf.

Winners of the milk and fat production awards were: back row, Dr. W.A. Bender of Culbertson Green Farm winning the high fat award and Richard Meyers of Myr-Lea Farms winning the top milk award. In the front row, the winners of the Distinquished Junior Member awards were: Deborah Cashell, the winner of the Franklin County Distinquished Senior Girl, and the Distinquished Junior Boy is Michael Cordell.

Winners of the 1982 Franklin County Holstein champion awards were Craig Woodring, Grand Champion Female; Beverly Meyers, Junior Champion Female; James Burdette, Reserve Junior Champion Female; and Robert Eckstine, Reserve Grand Champion Female.

N.E. dairy co-ops agree

SYRACUSE, N.Y. — The presidents of seven northeastern dairy cooperatives last Fri. agreed on three concepts for inclusion in a new national dairy program.

The concepts are:

- Creation of an incentive program which would compensate dairy producers for a limited time for reducing production on their farms:
- Continuation of the present dairy price stabilization program, but with the addition of a "trigger mechanism" which would act to move the support price up or down depending upon the status of milk supply and demand in the country; and
- Establishment of a national dairy product promotion program.

These concepts were reported this week to the National Milk Producers Federation. The Federation, which represents most of the dairy co-ops in the country in legislative activity in Washington, is currently working to develop a dairy plan that will get major acceptance within the dairy industry and by Congress.

The co-op presidents stressed that the concepts accepted as a basis for a dairy program are similar to those now being discussed by other groups throughout the nation.

Cooperatives participating in the meeting were: Allied Federation Cooperatives, Canton, New York; Dairylea Cooperative, Syracuse, New York; Eastern Milk Producers Cooperative, Syracuse, New York; Lehigh Valley Farmers, Allentown, Pennsylvania; Niagara Milk Cooperative, Niagara Falls, New York; Northeast Dairy Cooperative Federation, Syracuse, New York; and Upstate Milk Cooperatives Inc., Leroy, New York.

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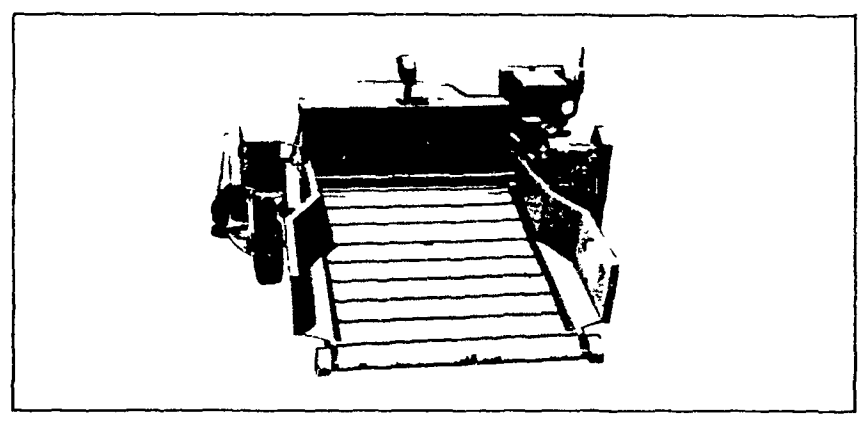

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Kenneth Popham of Floresville, Texas

Kenneth runs a 465 cow Dairy and said this about AG-BAG: "At today's interest rates you can't afford any other type of storage... Even with the yearly cost of bags it's still inexpensive storage... a whole lot cheaper than building barns and hiring help. I put up 13 bags last year and after seeing the results, I'll put up 25 bags this year. The bags are a good thing."

Don Carter of Parkdale, Oregon

"The best move I ever made"... says Don Carter in reference to his switch to bagging silage on his dairy near Parkdale, Oregon.

"I get 18% more feed from the same acreage and the feed lasts three times as long. I used to clean my bunks after three days, now I only need to clean them after 10 days."

Roland Rasmussen of Blair, Nebraska

"In addition to everything else, it's a management tool" says rancher, Roland Rasmussen of Blair, Nebraska

Roland farms 350 acres west of Blair, Nebraska, and fattens about 650 cattle from 600 lbs. to finish.

"By labeling every bag as to date and kind of feed, I can mix my feeds and eliminate the guess work in making a ration I feed alfalfa silage, corn silage and ground ear corn stored exclusively in the bags, purchasing only my minerals and vitamin supplements"

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Bert Anderson of Sceptre, Saskatchewan

"At least 30% more feed... I can guarantee at least that" says rancher, Bert Anderson, of Sceptre, Saskatchewan.

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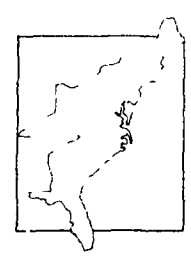

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Comfort essential for pig growth

NEWARK, Del. — During cold weather, swine confinement systems must be managed carefully to keep pigs growing well.

"A pig's needs are complicated," says University of Delaware Extension livestock specialist Richard Fowler. "Keeping it comfortable requires constant monitoring of building conditions."

Behavior of young animals is a clue to their comfort, he says. Huddling indicates a low level of comfort-at least for the pigs on top of the pile. Discomfort usually means stress, which leads to increased secretion of glucocorticoids-hormones produced by the adrenal glands. Intended to support survival temporarily, these hormones also mobilize amino acids from muscle tissue and interfere with immunity against infectious disease, thus inhibiting growth. So, for profitable production, pigs must be protected from environmental stress.

Fowler says there are many ways producers can improve herd comfort. "Check conditions in your hog facilities," he advises. "Low temperatures, drafts and odors are obvious problems. But look out, too, for cold floors and crowding. These conditions are just as important, though they may be less noticeable. Don't put more than 20 to 25 growing-finishing pigs in a pen. Nursery-size animals get along better in litter-size groups of 12 to 15."

Environmental factors such as inadequate feeder space and low temperatures have a combined effect. Under these conditions, animals may not be able to eat enough to maintain necessary body temperature.

"Conditions will vary in different parts of a house," the specialist says. "While a facility may feel quite comfortable as you walk through it, down on the floor conditions may be totally different." He tells of one researcher who stripped to his shorts and tried lying on the floor of a farrowing crate to dramatize this point. Though the temperature was supposed to be between 90-95 F, the man reported feeling drafts which made the area much colder than that.

"The rate of environmental change can also critically affect performance," Fowler says. "Abrupt changes tend to be more stressful than gradual ones. Consider this when moving pigs from a hot nursery to a cold finishing floor. Pre-condition them first to cooler temperatures."

Pigs modify their environment in several ways. Their bodies give off heat, water vapor, urine feces, and shed disease-causing organisms. Such natural processes affect their immediate surroundings. For this reason, changes in age or number of animals in a facility will alter the way the building must be managed.

Temperature is a major concern in confinement production. Growers often ask Fowler whether it pays to substitute feed for fuel or vice versa. "During cold weather," he says, "a manager has three choices in making a pig comfortable. The temperature can be raised to reduce environmental heat demand. The pig's heat gain can be increased with a radiant heater. Or the animal can raise its metabolic rate to produce more heat itself." The first two options require fuel or electricity. The third uses more feed.

How much feed does it take to meet this temperature demand? "If you put an 80-pound pig in a room 20 degrees below the animal's critical lower temperature, it will need to consume a quarter pound more feed daily to maintain a normal temperature," Fowler says. At an environmental temperature of 50 F, a dry sow needs to comsume 1½ pounds more feed a day.

Environmental problems inside a confinement unit aren't easy to solve, the specialist admits. Each facility presents a unique set of conditions which require constant fine tuning.

Beef management meeting Wednesday

TERRE HILL—The Adult Farmer Program of the Eastern Lancaster County School District will conduct a Beef Management Meeting on Wednesday at 7:30 p.m., at the Union Grove Alternative School.

The topics to be studied will include feeding beef cattle for profit, economics of increasing rate of gain, balancing protein and energy, use of buffers, use of hay in the ration, total mixed feed, feed bunk management, and the use of BOVATEC.

The speaker will be Wayne Hoelscher from Young's Minerals. With abundant, cheaper, corn this year, many cattle feeders are in a position to feed cattle for better gain. But there is more to getting profitable gain than just feeding more corn. This beef management meeting will explore the details of feeding for gain and profit.

All interested person are invited to attend. The Union Grove School is located near Terre Hill on Rt. 625, 2 miles north of Route 23. For additional information contact Donald Robinson or Robert Anderson at (215)445-5041.

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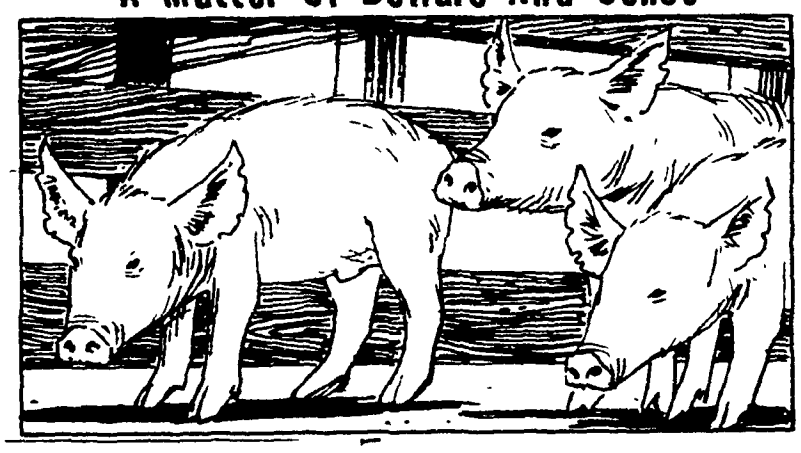
LIVESTOCK HEALTH TIPS

From the Animal Health Institute.

Hog Health Care Practices: A Matter Of Dollars And Sense



ALEXANDRIA, Va. — When the market is right, hogs have frequently been one of the most profitable investments a farmer can make. That's how they got the nickname "mortgage lifters."

With the depressed grain market, and relatively higher livestock markets, hogs are again profitable. Beyond good housing and proper nutrition, a sound health care program is one of the best ways to insure profitability.

Here are some health tips from the experts at the Animal Health Institute, Alexandria, Va....

Breeding stock

Work with your veterinarian to develop a health care plan. Commit it to paper and follow it closely. A series of vaccinations before and during pregnancy may be required to prevent the following diseases: leptospirosis, erysipelas, Type C clostridial enteritis, TGE, and atrophic rhinitis, among others.

Federally licensed vaccines conform to rigorous government standards. Look for the U.S. Veterinary License number on the product. That's your assurance that these products have been thoroughly tested. Keep records on the types of products you use, the manufacturer, the serial numbers, and the expiration dates.

When more than one biological product is to be administered, do not mix the two substances unless specified on the label. The two biologicals can become contaminated when mixed and may not provide the desired immunity. Never dilute a biological product unless specifically called for on the label. And never mix a biological with an antibiotic.

Feeder pigs

A series of vaccines is also called for during the first few days of a baby pig's life. These vaccines protect against pseudorabies (in states where pseudorabies vaccine is legal), atrophic rhinitis, and pneumonia, among others.

During the high stress period of weaning, pigs are again vaccinated for disease; antibiotics are added to the feed to prevent disease as well. Later, wormers will be added.

To insure safe, efficient use of these and other drugs, the Animal Health Institute advises:

Feed or administer the right dose. Whether it's a vaccine, wormer, or feed additive, it's important to provide the right amount. Dosages are scientifically determined for effective and safe use after years of research and examination by both the manufacturer and the regulatory agencies.

The old adage "if a little bit is good, then a whole lot more is better" does not apply to animal drugs. By the same token, it is a mistake to underdose. A hog requires a precise amount of a drug's active substance in its system to do the job.

For feeders, observe withdrawal times if required before shipping. Whether administering an animal drug via feed, water, bolus, or injection, be certain to observe the withdrawal period before sending the animal to market.

If you don't, an illegal residue could appear. That can cost you. If just one animal contains illegal residues, the entire shipment will be held and tests run to determine whether other animals contain residues. If they do, you won't be paid for them. You could also be prosecuted and face stiff fines and/or jail sentences.

Read the label. Even if you're not in doubt, you should check the label, because label instructions can change. Then take time to follow directions. That's what the eyeclock symbol on the label is telling you.

Potato stocks up 39 percent

HARRISBURG — Total stocks of potatoes stored in Pennsylvania on Jan. 1, 1983, were 3,900,000 hundredweight, 39 percent more than a year ago. Jan. 1 potato stocks represented 68 percent of 1982 production, compared with 53 percent a year ago.

Jan. 1, 1983 potato stocks are estimated at 174 million cwt. for the 15 major fall producing states. This is up six percent from last January and 18 percednt above two years ago. Jan. 1 stocks accounted for 59 percent of production in these 15 states compared with 57 percent a year ago. Of the total stocks in the 11 objective yield states, 74 percent were russets, 23 percent whites and three percent reds.

Potatoes processed to Jan. 1 in the eight major processing states totaled 48.7 million cwt., six percent less than in the same period a year earlier. Processing during December totaled 9.8 million cwt. compared with 10.1 million cwt. for December 1981.

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20-10-10
15-15-15
8-32-16
6-24-24
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Farm Business News

This is the Gehl 4510 skid steer loader.

Gehl announces skid steer loader

WEST BEND, Wisc.—Convenience, power and comfort features are incorporated in the design of the new 4510 skid steer loader according to the Gehl Company, West Bend, Wisc.

On-the-go farmers can now make fast attachment changes without leaving the cab. The new Hydro-Lock feature allows use of loader hydraulics to switch from the manure fork to the grapple fork to the post hole auger or to any other attachment in the versatile full line.

Designed to be up and away from dirt and debris, the tilt cylinders are industrially rated, and self-leveling load action–a standard feature unique to Gehl skid loaders--keeps loads even throughout the entire lift cycle. The 4510 is SAE-rated at 1150 pounds with the Ford industrial gas engine and at 1225 pounds with the Perkins diesel. Both engines are water-cooled.

Routine maintenance and clean-up are made convenient in the 4510 with the swing-away grill, roll-back overhead guard and quick-clean engine compartment and cab.

The cab promotes operator comfort and efficiency. With new split sidemounted T-bar controls, access to the cab is unobstructed. The seat is wide and comfortable and the adjustable armrests are padded. Arms stay on the armrests during operation of the easy-to-use T-bar controls for precise, nimble handling, load control and reduced operator fatigue. Full overhead instrumentation allows better visibility. The new ROPS/FOPS cage features rear safety glass to reduce noise levels and keep debris out.

Mechanical load arm locks are designed for use during service of the 4510. In addition, the operator must be in the seat before the load arms can be lowered or the engine started.

Purina introduces new hog concentrate

ST. LOUIS, Mo.—Ralston Purina Company is now offering a 38 percent protein, high energy concentrate for hog rations that allows producers to use significantly larger amounts of their own corn. The product, High Octane Hog Chow 38, will complement the existing High Octane 27 concentrate, and High Octane complete feeds.

"The new 38 percent protein high energy concentrate gives producers what they need to take advantage of abundant grain while still providing high energy performance to their hogs," said Dr. Bud Harmon, director of swine research for Purina.

"A producer will now be able to switch from High Octane 27 to High Octane 38, and back, depending on the availability of grain, while getting similar performance," he continued.

"Producers using High Octane 38 will use 43 percent less concentrate than they do with the High Octane 27. That nets out, on the average, to a producer using 1.7 more bushels of his own grain per finished hog," said Dr. Harmon.

"High energy rations have played an increasingly important role in the industry in the past few years, and this new concentrate will accelerate this trend, especially with ample supplies of grain," concluded Dr. Harmon.

For more information, producers should contact their local Purina dealer or write Dept. D, Hog Chows Marketing, Ralston Purina, Checkerboard Square, St. Louis, MO 63188.

Pierce receives sales position

HUGHSON, Cal.—Daniel R. Pierce has been named district sales manager for Carnation Genetics to cover all of the New England states and a portion of New York.

In his new capacity, Pierce will be responsible for the supervision of all Carnation Genetics activities in the New England states. He will be working with distributors as well as farmers and agricultural organizations.

He is a graduate of both Newport High School in Vermont as well as Vermont Technical College at Randolph Center, where he received his associate degree in applied science.

Jamesway honors KC Dairy Service

Kevin Correll, with plaque, Joan and Dave Correll, of KC Dairy Service, Mt. Bethel, accept award as Outstanding Dealer from Chuck Aungst, left, territory manager for the Jamesway Division of Butler Manufacturing Company. The presentation took place at a recent Regional Dealer Sales Meeting at the Embers Quality Inn, Carlisle.

ABS to contract 'super cows' to study twin bull calves

DE FOREST, Wisc. — American Breeders Service announces plans to contract as many as 30 "super" genetic cows within the next two years for the purpose of evaluating the genetic merit of identical twin bull calves through its industry leading progeny test program.

"These identical twin calves, produced by embryo splitting, will be among the highest pedigree-indexed young bulls in the breed," explains Robert E. Walton, President, American Breeders Service.

"Our original intent will be to progeny test a significant number of sets of identical twins to gain concrete data proving identical twin bulls transmit identical genotypes. There is strong evidence to that effect — this project will also give us the necessary information to make more accurate evaluation of these bulls through our progeny test program," he remarks.

Project plans call for ABS to work closely with the University of Wisconsin-Madison in developing state-of-the-art research in genetic improvement, embryo transfer and the production of identical twins through a variety of techniques.

The joint ABS/University of Wisconsin research project will be funded by W.R. Grace & Co., ABS' parent company. Grace's financial support is in keeping with the firm's continuing efforts to stimulate biotechnology research in all areas of efficient food production. This specific project applies directly to the genetic improvement of future generations of livestock.

ABS' main involvement will center around the ABS Research staff gathering embryos on the farm from specially mated ABS contract cows for the sole purpose of producing identical twins to enter the ABS progeny test program.

These embryos will be micro-surgically divided and each section will be transferred to its own recipient located at the U.S. Dairy Forage Research Center, Prairie du Sac, Wisconsin, — the entire procedure to be completed within 12 hours of recovering the embryos. All identical bull calves that result will become part of ABS' young sire program. Heifer calves will join the U.S. Dairy Forage Research Center herd to benefit that operation's future forage research. Like the bulls, these heifers will be of high genetic merit and will greatly enhance the understanding of forage utilization by high milk producing dairy cattle.

Improving and perfecting the micro-manipulation of embryos through research such as this allows for dramatic changes in embryo transfer technology. Cloning, freezing, sexing and multiple reproduction of high genetic value embryos can mean more efficiency in recognizing those truly superior sires to offer through artificial insemination (A.I.).

"Long term, we believe we will have better bulls available for widespread A.I. service through the sampling of identical twins," says Walton. "This program, combined with our current rate of sampling young sires, can definitely speed up improvement in the genetic merit of the sires we offer."

Vermeer adds 2 new giant round balers

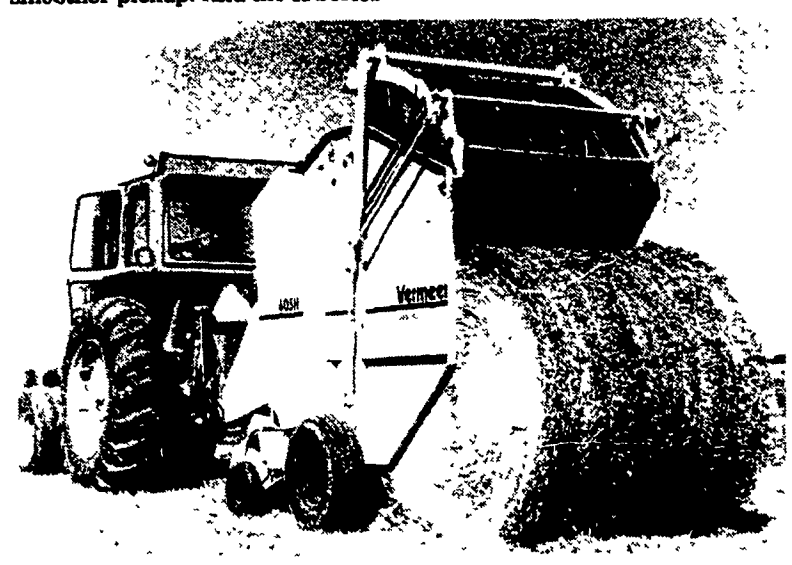
PELLA, Iowa—The next step up in giant round balers has been introduced by the Vermeer Manufacturing Company, Pella, Iowa – Vermeer "H" Series balers, models 605H and 504H.

The H Series builds upon the popular Vermeer "G" round balers by adding new features and options, and by increasing bale capacity. The 605H, for example, makes bales up to 2,000 pounds – a ton of hay packed into a six-foot diameter, five-foot wide round bale.

But Vermeer officials say that advanced design features, not bigger capacities, are the big news in their H Series balers. Vermeer upgraded the belt tension unit to a single spring and hydraulic design; and added tougher, three-ply belts, along with a heavy-duty belt tightener assembly. The H Series features a Walterscheid PTO that eliminates chain chatter, even in near 90° turns. A new, six-bar pickup uses rubber-mounted teeth for longer life, and cleaner, smoother pickup. And the H Series continues Vermeer's long-standing commitment to quality, with heavy-duty #80 roller chains, maintenance-free sealed bearings on all idlers, heavy-duty double-roller bearings on the lower drive roller, and solid unibody construction with an 11-gauge tubular steel frame throughout.

The Vermeer H Series balers also continue Vermeer's exceptional performance record by producing the best bales in the field. Vermeer round bales are consistently solid, from core to outside wrap. They're weather-tight, self-storing bales that offer up to 25% more nutritional value than other round bales.

Vermeer introduced Big Round Balers back in 1972, and they've put a decade of field experience, engineering improvements, and proven performance into their new H Series line. And it shows. Because with nearly two dozen other makes of round balers on the market today, Vermeer is still the biggest-selling giant round baler in the business.



The new Vermeer 605H Round baler builds bales with up to a ton of hay.

Dow offers corn film

MIDLAND, Mi.—A new film entitled "Scouting For Corn Insects" is currently available from The Dow Chemical Company. Highlights of the 12-minute 16mm film include on-farm field footage which illustrates proper procedures for identifying and evaluating insect pressure. Techniques utilized to monitor insect cycles and determine economic treatment thresholds are shown for a variety of common corn pests.

Much of the information is relayed through a lively dialogue between father and son as they trace insect development during a typical growing season in the Midwest.

"The film contains technical information, but we've tried to present it in an entertaining manner," explains Jack Mitenbuler, communications specialist. "A lot of new developments in agriculture are introduced to the home operation by sons and daughters returning from college. As any farm parent knows, the generation gap can lead to some pretty interesting conversation, and that's the approach we've taken in the film."

All major corn insect species are covered, including rootworms, cutworms, wireworms, grubs, European corn borer and others. Aspects of insect management relating to production practices such as tillage and crop rotation also are detailed. The influence of weather, proper timing for a scouting program and other factors are combined to provide an overall picture of corn pest management.

Organizations interested in obtaining a copy of the film should contact Cherie McKay, Inquiry & Distribution Services, 1703 S. Saginaw Rd., Midland, Michigan 48640 (517-636-3244). Include information on intended use, audience and time needed. Supplies are limited, so requests should be submitted with at least three weeks advance notice, if possible.

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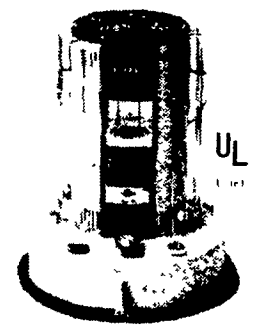

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Cobb opens quality lab

CONCORD, Mass.—Cobb, Inc., a leader in the poultry industry, recently opened a new Quality Assurance Laboratory near its international headquarters in Concord, Mass.

The new lab is now located within a 40-mile radius of the firm's production flocks. The primary purpose of the lab is to maintain the health of the Cobb's pedigree lines in order to ensure a quality product for its customers. The Cobb lab was previously based in Milton, N. H.

"Moving the lab to a more central location has increased our efficiency, improved communication between management and research personnel, and enhanced our disease surveillance and quality control programs," states Del Meyer, D.V.M., the lab's quality control and technical services manager.

Located in a newly remodeled building, the streamlined lab contains the latest research equipment and is staffed by Dr. Meyer; Dr. Hernando Botero, Northeast quality control manager; Mildred Bergeron, bacteriologist; and Odette Newsome, microbiologist.

Dr. Meyer directs and coordinates all quality control, technical service functions and lab activities for Cobb on a worldwide basis. Dr. Botero is responsible for poultry health testing procedures at Cobb's Quality Assurance Laboratory, monitors and farm's flock sanitation and vaccination procedures and conducts practical poultry disease-related research.

Lab coordinator Bergeron handles daily lab activities, and performs and analyzes tests designed to maintain the disease-free status of Cobb's production flocks. Lab research assistant Newsome is responsible for much of the virological testing and works closely with Bergeron.

3 Pa. bulls go to ABS

DE FOREST, Wisc.—Three Pennsylvania Holstein bulls have been selected by American Breeders Service to enter their Progeny Testing Program.

The bulls include Junge Glendell Iochief, bred by Junge Farms, New Tripoli; and two bulls from Walebe Farms, Inc., Collegeville–Star-Bright-Vu Valiant Drew-ET and Poverty-Hollow Politician-ET.

Junge Glendell Iochief is the result of a specially planned mating between the highly regarded Glendell Arlinda Chief, +$247, +2,030M and +61BF and Junge Elevation Ione. His dam has production records to 27,520 lbs. of milk; with a Cow Index of +1,531M. She is classified VG-87 and is sired by Round Oak Rag Apple Elevation.

Star-Bright-Vu Valiant Drew-ET is the result of a specially planned mating between the highly regarded S-W-D Valiant, +$222, +1,801M and +56BF and Sully Fobes Bootmaker Dot. His dam has production records to 34,910 lbs. of milk, with a Cow Index of +721M. She is classified EX-97 and is sired by Paclamar Bootmaker.

Poverty-Hollow Politician-ET is the result of a specially planned mating between the highly regarded Sweet-Haven Tradition, +$282, +2,412M and +66BF and Balls Net Pollyboots. His dam has production records to 29,119 lbs. of milk, with a Cow Index of +2,409M. She is classified EX-90 and is sired by Paclamar Bootmaker.

N.Y. bulls get first "grades"

ITHACA, N.Y. — "Report cards" have been issued for the 80 registered bulls at the conclusion of the first 28-day weigh period of the New York Bull Test. The overall average daily gain for the 80 bulls for the "first marking period" was 3.28 pounds.

The 35 Angus bulls led the test group with an overall average daily gain of 3.55 pounds. Close behind were three Shorthorn bulls with an average daily gain of 3.51 pounds. The eleven Simmental bulls had an average daily gain of 3.10 pounds. The average daily gain for the nine Charolais bulls and the eighteen Polled Hereford bulls was 3.07 pounds. The average daily gain for the three Red Angus bulls was 2.97 pounds and for the one Salers bull, 1.96 pounds. A Simmental bull enrolled by Linden Farms of LaGrangeville leads the bulls on test with an average daily gain of 5.19 pounds for the first 28-day period.

The 1982-83 Bull Test program is jointly sponsored by the New York Beef Cattlemen's Association, Cooperative Extension, the State Department of Agriculture and Markets and the animal science department at Cornell University. The 140-day performance testing program is conducted under uniform, unbiased conditions at Cornell's Livestock Teaching and Research Center at Harford.

The performance testing program is designed to measure the genetic merit of potential herd sires and identifies those bulls that are genetically superior in the efficient production of red meat. Those bulls who meet certification standards at the conclusion of the test will be offered at the Bull Test Sale May 6 at Ithaca.

Hay winners use Aroma-Pep

FARM SHOW—The hay competition at the 1983 Farm Show resulted in blue ribbons for two Lycoming County Dairy farms.

Lester and Jan Paulhamus, Cogan Station, and Chris and Mark Metzger, Linden Hills Farm, Linden, won blue ribbons in three classes of hay partially field-cured plus hay preservative. Paulhamus' sample of first cutting alfalfa and Metzger's samples of later cutting alfalfa and mixed hay consisting of more than 50% legumes, were all treated with Aroma-Pep Forage Conditioner and Flavorizer.

Aroma-Pep, a product of BOMA Enterprises, Inc., Williamsport, allowed the hay to be baled and stored at a higher moisture level without mold and spoilage. In addition, a high nutrient value was maintained and increased palitability resulted from the Aroma-Pep applications.

Aroma-Pep is recommended also as a silage and haylage conditioner as well as a flavorizer for grain feeds. As a silage treatment, Aroma-Pep keeps silage from fermentation, assists in holding the natural sweetness, and gives silage flavor appeal.

Carnation Genetics names Shulusky

HUGHSON, Cal.—Albert J. Shulusky III, a five-year veteran of the Carnation Genetics marketing team, has been picked as the company's new director of marketing.

Shulusky, who took office Jan. 1, had been a district sales manager with the company since 1977. He has served a territory that includes southwestern New York, Massachusetts, Rhode Island, Connecticut, Maine and New Hampshire.

Shulusky grew up on his grandfather's Prospect Hill Dairy, a 1,000 acre Holstein operation in Waterford, N.Y. His father operated the farm's Suncrest Dairy creamery and bottling company.

Presently Shulusky makes his home at his Windwian Farm near Bainbridge, N.Y. where they have raised Holstein dairy replacements, since 1971.

Scarlett adds Cimarron alfalfa

BALTIMORE—Scarlett Company, the international seed distribution company headquartered in Baltimore, Md., has recently been awarded the distributorship for Cimarron Alfalfa.

Developed by the Great Plains Research Company, Cimarron is a broad-based synthetic alfalfa variety noted for its early and rapid spring growth, extra leafiness and resistance to disease and insects. It is also characterized by its long-living strands and by reduced weed competition.

In extensive tests against 156 other alfalfa varieties from 26 states, Cimarron produced a 4.5% greater yield, as documented by both universities and agricultural extension agencies. Equally important, it adapts well to the soils and climates of the Southern Great Plains, Upper South, Central, and Eastern regions of the United States.

Cimarron Alfalfa is widely available from Scarlett Company and its dealers throughout the tri-state area.

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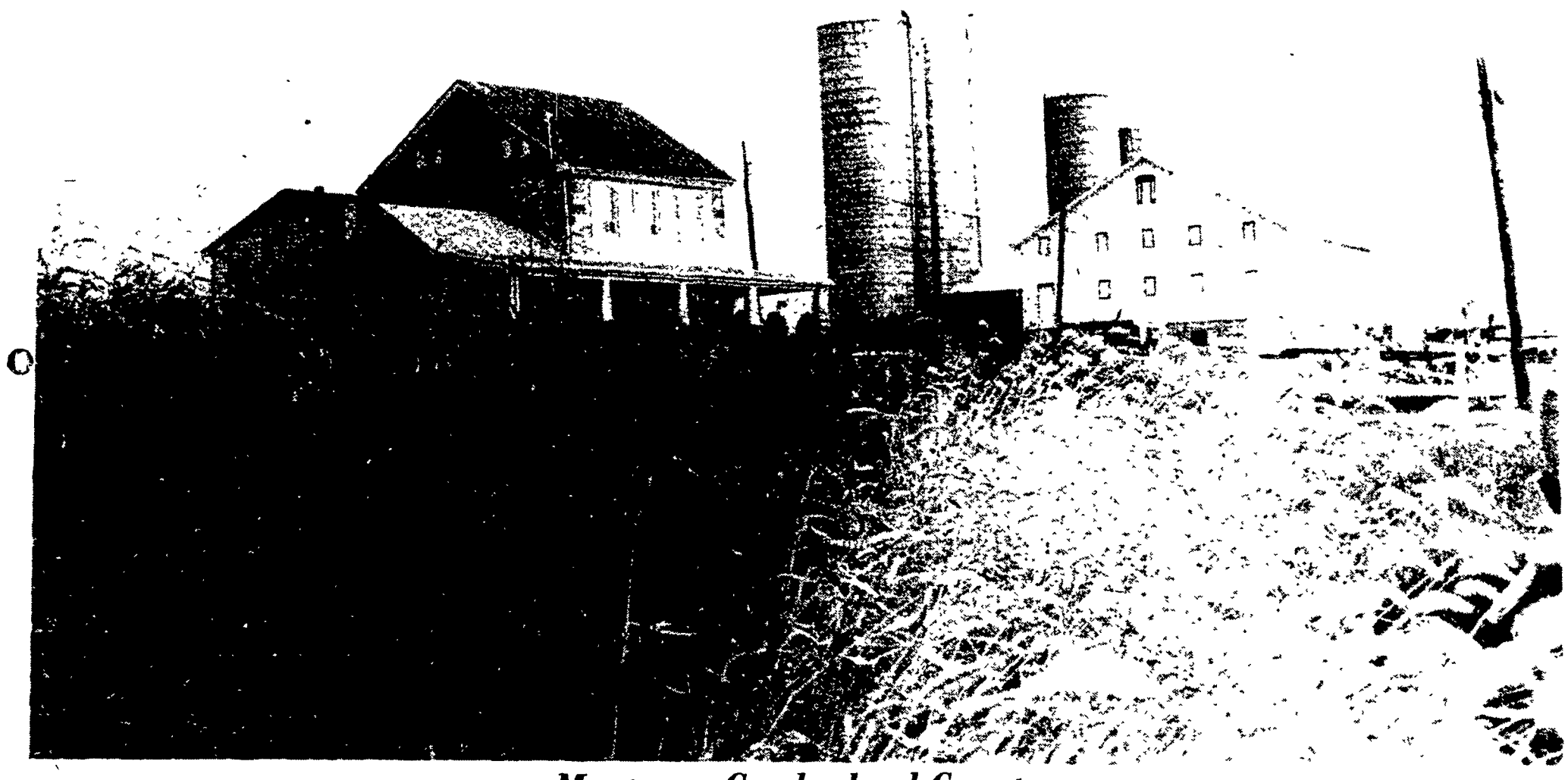

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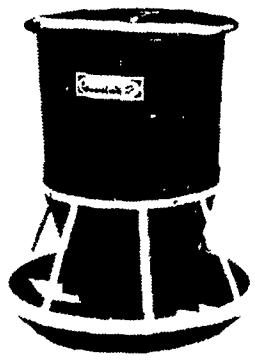

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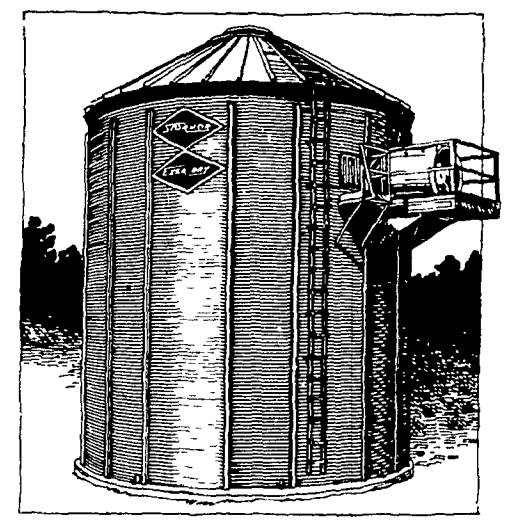

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Dairy Pipeline

By
Glenn A. Shirk
Extension
Dairy
Agent

Adjustments, adjustments!

Whether the 50-cent deduction in milk price will ever come to be, and where the economy will eventually take us, only time will tell. One thing we can be sure of is any 50-cent reduction in milk price will reduce the income of a 60-cow producer by about $4,000 to $5,000. But, a 4 to 5 percent increase in farm expenses would also have about the same effect.

Recently, I've been hearing and seeing such terms as "attitude adjustment" and "goal mind." Both of these apply to the times. Dairying in the '80s is different than what it was in the '70s. But, I am confident we'll survive these times providing we adjust some of our attitudes and turn our minds toward setting some goals.

What are your plans for coping with a 50-cent reduction in milk price? Add a few cows?

This may be necessary in some situations. For other situations, it could be a costly alternative, especially if you have to expand facilities, buy cows or keep too many culls, or if you have to purchase more feeds. Before deciding on this option, consider this:

Fat tests

If fat tests could be improved three points, you'd automatically improve milk prices by 51 cents, with a 17-cent differential. Besides, higher tests make milk taste better and they make it more nutritious. That increases its saleability, providing we haven't removed all the "goodies" from milk before we package it for sale.

Low fat tests also should concern you for another reason. They may be an indication that something is not right with your herd. Perhaps the ration is out of balance, cows are out of condition, forage and fiber intake may be too low, their rumens may be upset and they may be off feed.

Observe your cows. If they don't spend a lot of time chewing their cud something is wrong. If allowed to persist, these conditions may result in such costly problems as: reduced feed efficiency, breeding problems, feet and leg problems, poor immune response, eventual loss of production and premature culling.

To help stimulate fat tests, while also maintaining milk production, be sure to have ample quantities of good quality fiber in the ration. Feed plenty of forages, and be sure they are not chopped too fine. Feed frequently, and blend rations when appropriate. Avoid sudden changes in the ration. Feed a balanced ration, and use buffers when necessary. Keep cows in good flesh. Have a good dry cow program to prepare cows for early lactation. Avoid infections and other stresses which tend to throw cows off feed.

Longevity

The longer good cows stay in the herd, the more profitable they become. Increasing longevity by 1.5 to 2.0 months also can offset a 50-cent reduction in milk prices. Let's look at a few figures (I always shudder when I put figures in print, but they are useful for illustrating a point.)

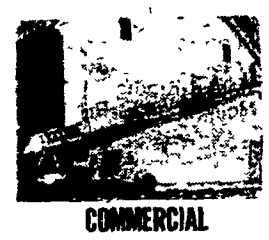
I used the 1981 Pennsylvania

(Turn to Page D20)

Lactation No.	Age at end of Lact.	Produce per Lact.	Profit per Lact.	Lifetime Profit	Profit per Yr. of Life
Lower Level of Production:					
0	2	---	---	($1,000)	($ 500)
1	3	13,000	$ 320	(680)	(227)
2	4	14,000	400	(280)	(70)
3	5	14,500	440	160	32
4	6	15,000	480	640	107
5	7	15,500	520	1,160	166
6	8	16,000	560	1,720	215
Higher Level of Production:					
0	2	---	---	($1,000)	($ 500)
1	3	15,000	480	(520)	(260)
2	4	16,000	560	40	10
3	5	16,500	600	640	128
4	6	17,000	640	1,280	213
5	7	17,500	680	1,960	280
6	8	18,000	720	2,680	335

DHIA SCC_2 Code	Somatic Cell Count (SCC)	Milk Loss per Cow per Day	Value of Lost Milk at $12.50 per cwt. per Day	per Yr.
4	71,000 - 141,000	1.5 lbs.	$ .19	$ 57
5	142,000 - 282,000	3.0 lbs.	.38	114
6	283,000 - 565,000	4.5	.56	172
7	566,000 - 1.1 million	6.0 lbs.	.75	229
8	1.1 million - 2.2 million	7.5	.94	286

COMPLETE FARM PAINTING



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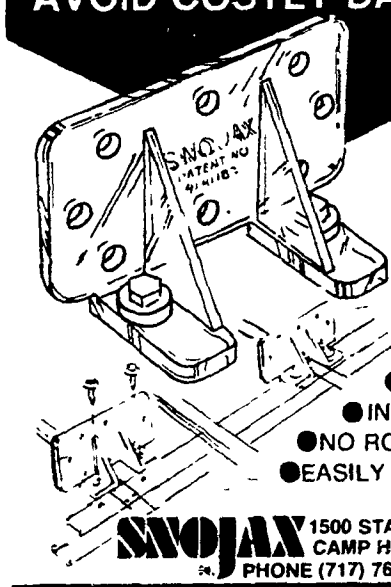

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Lancaster County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

LANCASTER COUNTY DHIA
DECEMBER 1982

A Registered Holstein cow owned by Paul H. Martin, R. #1, Ephrata, completed the highest 305 day lactation Babs produced 24,085 lbs. of milk, 1,173 lbs. of butterfat with a 4.9% test. Second high lactation was completed by a Registered Holstein cow owned by Curtis E. Akers, R. #1, Quarryville. Jo produced 27,366 lbs. of milk, 1,110 lbs. of butterfat with a 4.1% test in 305 days.

The top brown swiss herd for the year 1981-82 was Richard G. Wenger, R. #2, Manheim 65.5 cows 14,775 lbs. of milk 601 lbs. of butterfat

First 305 days of lactation with 770 or more lbs. of butterfat.

OWNER NAME OR NUMBER	BRD	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Paul H. Martin						
Babs	RH	6-4	305	24,085	4.0	1173
Louise	RH	3-2	305	25,143	4.3	1078
Freda	RH	3-0	305	25,324	3.5	897
Faith	RH	2-0	305	18,711	4.3	796
Curtis E. Akers						
Jo	RH	5-3	305	27,366	4.1	1110
Tabby	RH	4-11	305	29,576	3.5	1038
Judith	RH	3-2	305	26,816	3.2	853
Shellenberger Bros.						
Loretta	RH	7-4	305	27,522	3.9	1073
Flute	RH	5-2	305	23,209	4.0	927
Janee	RH	4-3	305	26,219	3 5	911
Glenn E. Burkholder						
Ruby	RH	6-11	305	26,881	4 0	1066
Jacob S. Dienner						
Jerry	RH	7-1	305	27,032	3 9	1050
Molly	RH	4-7	305	28,706	3 6	1030
Pussy	RH	4-3	305	27,387	3 4	918
Della	RH	4-1	305	27,701	3 2	884
Springarden Farm						
Charlot	RH	4-3	305	30,453	3 4	1048
Suzie	RH	10-4	305	22,598	4.0	898
Bobbi	RH	3-7	305	24,254	3.7	889
Dandy	RH	6-3	299	22,618	3 8	866
Galen W. Crouse						
Ozzie	GrH	3-6	305	22,326	4.6	1038
Robert Kauffman Jr						
Luanne	RH	4-11	305	28,173	3.7	1034
Chrisie	RH	5-0	305	22,464	4 2	935
Connie	RH	5-5	305	20,702	4 4	908
Ivy	RH	2-11	295	21,045	4 3	905
Flora	RH	3-4	303	21,834	4 1	902
Sadie	RH	4-1	305	21,898	4 1	893
Carol	RH	7-11	292	20,426	4 2	855
Rachel	RH	4-3	305	19,879	4.3	850
Ren	RH	2-11	305	17,874	4 7	834
Terrie	RH	5-10	305	25,357	3 4	819
Terra	RH	2-0	305	20,149	4 1	819
Jo	RH	7-3	305	19,141	4.2	810
C. Phyllis	RH	3-0	305	19,107	4.2	810
Fran	RH	4-1	305	17,188	4.7	808
Princess	RH	5-0	305	17,399	4.6	806
Ida	RH	3-5	305	19,869	4.0	804
Robin	RH	2-11	305	18,947	4.2	797
Arlinda	RH	5-2	285	17,848	4.4	788
Blue	RH	2-1	305	21,970	3.6	783
Peach	RH	2-1	305	18,773	4.1	773
Abram M. Stoltzfus						
Edna	RH	5-8	305	28,451	3.6	1025
Pearl	RH	7-9	305	22,030	4.0	883
Thomas C. Lapp						
Pebbles	RH	6-5	305	32,536	3.1	1021
Tracy	RH	5-10	305	25,822	3 0	776
J. Robert Kindig						
Molly	RH	4-2	305	28,735	3.5	1008
Rhelda & Lynn Royer						
Jaime	RH	3-6	305	23,404	4.3	1007
Crysta	RH	6-4	305	22,989	4.1	939
Adam & Jerene Zimmerman						
Kate	GrH	7-2	305	26,898	3 7	1003
Fireball	GrH	6-9	305	24,147	3 3	788
Hiram S Aungst						
Vy	RH	7-4	305	24,331	4 1	997
Fern	RH	5-9	305	25,082	3 6	906
Ting	RH	3-3	305	21,469	3 6	777
Richard B Hess						
3	GrH	7-3	305	25,994	3 8	991
Earl S Weaver						
Ruthie	RH	5-2	305	23,533	4 2	990
Becky	RH	6-2	305	23,151	3 6	844
Benuel S. Stoltzfus						
Marlena	RH	6-4	305	23,491	4.2	987
Paul D. Welk						
Dana	RH	5-9	305	21,859	4.5	973
Beauty	RH	6-8	271	19,138	4 4	833
Boots	RH	6-6	305	24,216	3 3	795
Kenneth D. Myer						
Lori	RH	4-5	305	20,422	4 7	969
Loretta	RH	4-5	305	24,943	3.6	892
Toni	RH	4-1	305	21,600	3 8	824
Marquis	RH	6-8	305	18,953	4 3	811
Ra-El Holsteins						
Elenor	RH	7-8	305	29,118	3 3	967
Edna	RH	9-7	305	28,132	3 3	931
Jina	RH	7-3	296	23,735	3 8	897
C. Victor Groff						
16	GrH	7-8	305	25,188	3.8	959
48	GrH	6-3	305	24,104	3 8	908
John U Glick						
Connie	RH	6-8	305	23,979	4 0	958
Naomi	RH	3-11	305	20,718	4.3	901
Olive	RH	7-5	305	25,410	3 3	827
Clyde W Martin						
Alberta	RH	6-10	305	25,366	3.8	953
Eunice	RH	4-5	305	24,574	3 7	919
Pet	RH	3-4	305	23,891	3 7	881
Inka	RH	5-2	288	21,911	3 6	784
Britain Acres Farm						
58	RH	7-5	305	23,657	4 0	951
143	RH	8-3	305	24,351	3 6	879
Luke L. Martin Jr						
Carrie	RH	5-1	305	25,062	3 8	950

(Turn to Page D12)

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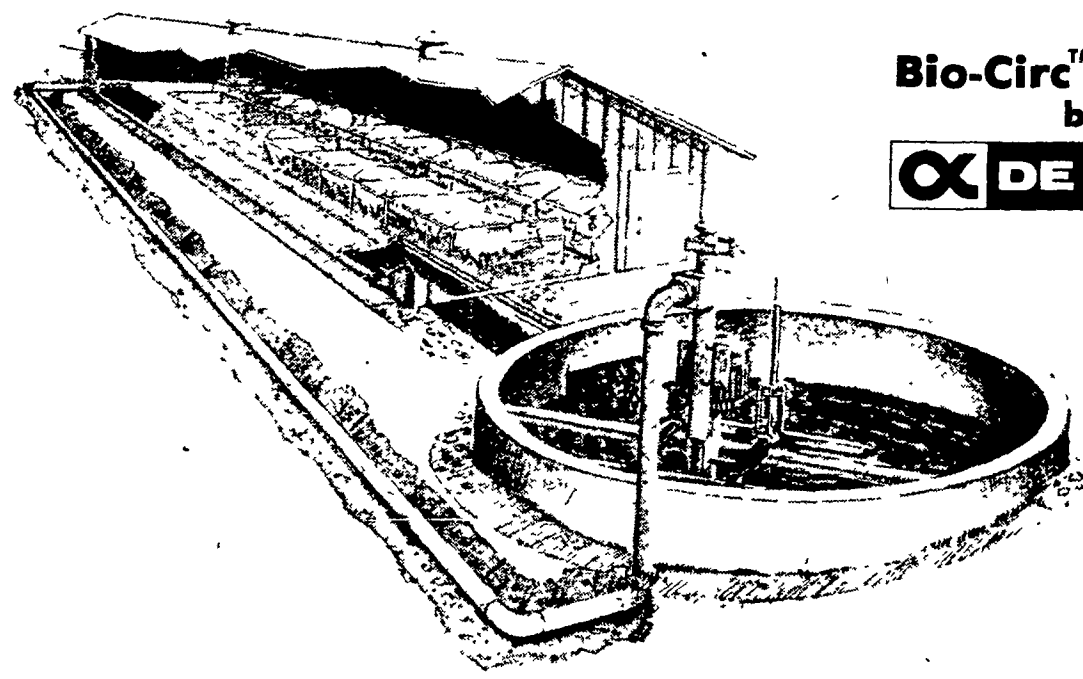

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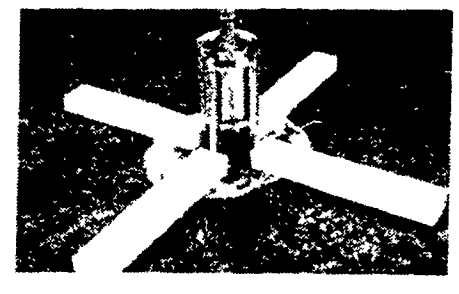

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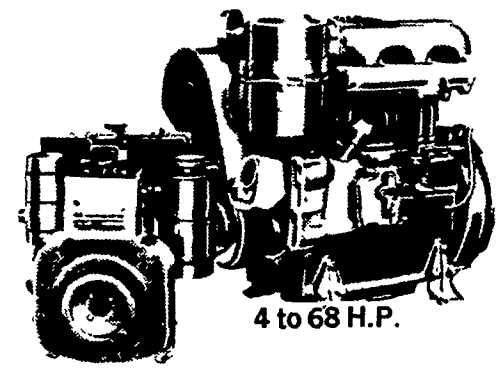

4 to 68 H.P.

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Lancaster Co. DHIA

(Continued from Page D11)

Jonas O Sensenig						
32	GrH	5-0	305	22,715	4 2	943
Edgefield Farms						
Esther	RH	4-6	305	28,445	3 3	939
Penny	RH	4-2	305	24,648	3 8	939
Vern-Lee Holsteins						
Star	RH	5-0	305	26,261	3 6	939
Felicia	RH	2-6	305	20,413	3 9	791
Nelson W Nolt						
14	RH	8-3	305	22,216	4 2	932
John H. Howard						
Dottie	RH	3-1	305	23,869	3 9	931
Jeffrey G DeLong						
42	RH	8-2	305	22,442	4 1	928
Dale & Steve Hershey						
Karen	RH	5-1	305	24,892	3 7	923
Nancy	RH	8-2	305	25,745	3 4	888
Robert H Kauffman						
Sue	RH	8-3	305	24,851	3 7	922
Elva	RH	4-8	305	24,054	3 2	776
Carl L Martin						
Skylark	RH	6-5	305	20,380	4 5	922
John Omar Stoltzfus						
Promise	RH	5 5	305	25 916	3 5	919
Cora	RH	4-7	305	28,518	3.1	892
Capsule	RH	9-1	305	23,338	3.7	855
Delmar & Susan Weaver						
Dilly 42	RH	8-1	305	23,803	3.9	918
Rena	RH	7-11	305	23,854	3.3	784
Jacob L Stoltzfus						
44	GrH	9-1	305	23,300	3 9	918
57	GrH	6-7	290	23,205	3.6	842
49	GrH	9-0	305	19,729	4.1	802
C Nevin Hershey						
Monica	RH	5-2	305	25,875	3 5	917
John L Landis						
110	RH	6-8	305	27,905	3 3	913
40	RH	2-0	305	23,376	3.5	829
158	RH	6-7	305	24,102	3.4	815
Ray P. Bollinger						
Marion	RH	8-1	305	24,265	3 8	911
Renee	GrH	4-5	305	18,949	4 1	771
Cedar Fringed Farm						
Carlene	RG	5-3	305	18,523	4.9	911
Maglyn	RG	4-6	305	18,566	4 8	887
Carmel	RG	6-7	305	21,418	4 1	880
Kenneth I Beiler						
Audrey	RH	7-1	305	19,003	4 8	907
Winter	RH	6-5	305	23,440	3.7	870
Kathy	RH	5-6	305	21,229	3.9	831
Ann	RH	6-2	305	22,789	3 4	785
J. Earl Horst						
Pam	RH	4-6	305	23,089	3 9	906
Leola	GrH	4-5	305	21,087	3 7	790
Wilmer G Kraybill						
Fa Fa	RH	7-3	305	21,567	4 2	905
Beau 40	RH	7-5	305	20,047	4 0	811
Tritown Farm						
Ellen	RH	8-0	305	25,480	3.5	902
Clarence W. Shirk						
Lori	RH	9-0	305	22,838	3 9	901
Daniel M. King						
Norma	RH	6-8	305	23,615	3 8	899
Robert C. Groff						
Quail	RH	6-10	305	19,791	4.5	898
John Omar Stoltzfus Jr.						
Patsy	RH	5-1	305	22,296	4.0	897
Earl Smoker						
Judy	GrH	7-0	305	20,866	4.3	896
Ivan S. Stoltzfus						
Millie	RH	7-11	305	22,975	3.9	894
Candace	RH	5-7	305	22,154	3.7	814
Katrina	RH	4-2	305	23,039	3.5	810
Hope	RH	4-7	305	22,827	3.4	781
Richard & Fay Fox						
Dale	RH	4-11	305	20,581	4 3	894
Elam K Stoltzfus						
Dollar	RH	5-6	305	22,263	4.0	891
Kreider's & Nickle						
153	RH	7-5	290	21,672	4.1	886
Luke Ray Zimmerman						
49	GrH	7-5	305	23,481	3.8	884
Allen S Groff & Son						
91	RH	4-11	305	22,614	3 9	882
Robert W. Ulrich Jr.						
Florence	RJ	2-11	302	16,435	5 3	878
Pandr 45	RJ	7-10	305	17,448	5.0	877
Paul H. Rohrer & Sons						
17	GrH	3-2	305	23,077	3.8	877
E S Win Farms						
Willie	RH	3-0	305	19,393	4.5	876

(Turn to Page D14)

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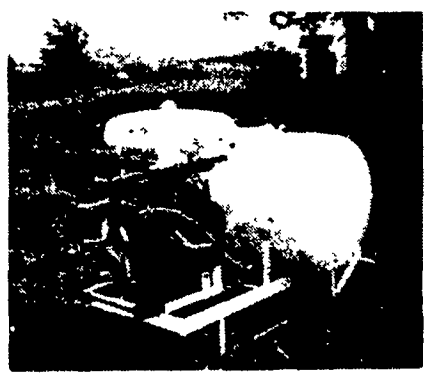

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Empire P. Hereford Assn. taking spring sale consignments

ITHACA, N.Y. — Emphasis on performance will be featured at the Empire Polled Hereford Association's Fifth Annual Classic Sale April 23 at Ithaca.

Sale Chairman Robert Card of McGraw, N.Y. is accepting sale nominations until Feb. 15 and said he expects to have 55 lots of high quality registered Polled Herefords consigned. Sale consignments will include open and bred heifers, bulls, and cow/calf pairs with cows not to exceed eight years of age.

All open heifers and young bulls will be weighed and graded the day before the sale and only those grading 13 or higher will be eligible for the sale. Performance information including birth weight, weaning weight, yearling weight, and frame score is required for all animals 18 months of age and younger, and encouraged but not mandatory for older animals. All females over two years of age must be bred or have calf at side.

Card said, "By making these performance requirements part of our sale regulations we are providing a reliable source of seedstock for foundation animals for a beginning or expanding herd. We will be promoting the Polled Hereford breed and meeting the demands of a beef industry that is becoming more and more performance oriented."

Card, who has been raising registered Polled Herefords for 15 years, has been a member of the sale committee for all previous sales. He is a past president of the Empire Polled Hereford Association and is Cortland County director for the Central Division of the New York Beef Cattlemen's Association. He is currently a member of the Cortland County 4-H Program committee and the Cortland County Fair Board.

Card's sale committee includes Carl and Sue Haynes of Groton, N.Y., Ralph Carrier of McGraw, Michael Holden of Whitney Point, N.Y., and Jerry Mickelson of Newfield, N.Y. This committee not only plans the sale but also the open house and informative beef program April 22. Further information about the sale may be obtained by contacting Card or a member of his sale committee.

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To prove it, get your hands on the split, side-mounted T-bars with smooth, positive hand action for precise bucket and drive control in tight areas, over rough ground. Stay seated in the roomy, comfortable cab while exclusive Hydro-Lock helps you switch attachments in seconds. Check out the self-leveling bucket, easy-to-read overhead instruments and flip-up ROPS for easy maintenance.

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30% Down Now
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Forage Harvesters
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This special program applies toward specific new and unsused Gehl forage harvesters, blowers, boxes, flail choppers, round balers, mower conditioners, disc mowers and disc mower conditioners, wheel rakes and bale handlers.

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Evenings by Appt.

Lancaster Co. DHIA

(Continued from Page D12)

Smucker-Sons Farm 1						
358	GrH	4-2	305	27,134	3.4	874
347	GrH	4-11	305	22,486	3.6	818
Christian & Katie King						
61	RH	8-0	305	20,945	4.2	871
5	RH	6-4	305	21,875	3.7	814
Ivan Bowman Jr.						
Sandy	GrH	5-3	305	22,197	3 9	869
David W. Sweigart						
176	GrH	5-1	305	23,250	3.7	868
Lester J. Wiker						
Gladys	GrH	4-3	305	18,006	4.8	868
Beth	GrH	3-7	305	18,707	4.5	843
Nancy	GrH	6-6	305	20,358	3.9	796
Libby	GrH	5-0	305	19,709	3.9	776
Ben K Stoltzfus						
Lulu	RH	5-2	305	23,785	3.6	867
Paul V. Nissley						
Trish	RH	4-11	305	20,196	4.3	865
Alison	RH	3-3	295	23,428	3.6	833
Agnes	RH	4-3	305	23,558	3.3	782
David D Zimmerman						
Mary	RH	5-11	305	21,387	4.0	864
Johanna	RH	6-8	305	17,905	4.4	790
Meadow Spring sFarm						
Carby	GrH	5-3	305	19,183	4.5	863
Henry S Lapp						
7	RH	6-0	305	24,080	3.6	862
42	RH	3-11	305	22,853	3.5	811
Christian Zook						
Dove	RH	3-0	305	27,104	3 2	861
Landis Garman						
Tempo	RH	5-4	305	19,893	4 3	861
Gay	RH	5-9	305	23,955	3 6	860
Leon S Lapp						
Almat	RH	5-1	305	22,942	3 7	860
Robert H Rohrer & Sons						
240	GrH	5-9	305	26,361	3 3	859
195	GrH	3-3	305	20,531	4 2	854
189	GrH	4-10	305	19,984	4 2	840
153	GrH	3-3	305	24,542	3.4	831
43	GrH	2-1	305	21,904	3.6	793
238	RH	3-4	287	22,849	3.5	789
Clyde M. Buchen						
574	RH	3-8	305	21,682	4 0	859
Moses N Good						
Helen	GrH	4-0	305	20,670	4 2	859
Tam	GrH	3-11	305	19,795	3 9	775
Amos B Lantz						
Page	RH	5-5	305	24,855	3 5	858
David L King						
Irene	GrH	9-7	305	18,225	4.7	857
John M. Harnish						
Tara	RH	6-10	305	26,148	3.3	856
June	RH	7-6	305	22,397	3 8	849
Kelly		8-2	305	22,556	2.6	809
Gretchn	RH	8-7	305	18,328	4.4	806
Clara	RH	5-5	305	18,842	4.3	803
Doris	RH	6-9	305	19,462	4 1	800
Kerry	RH	11-10	305	21,855	3.6	792
John K. Peters						
Spotty	RH	4-2	305	26,987	3.2	854
John P. Lapp						
Lea	RH	3-2	305	20,439	4.2	854
Jenn	RH	10-3	305	21,400	3.9	839
Crystal	RH	5-1	305	22,637	3.6	818
Olive	RH	4-4	305	24,399	3.3	806
Marbro Farm						
Alvina	RH	7-1	305	21,936	3.9	853
Beth	RH	7-4	287	22,520	3.5	783
Welsh-Vista Farms						
Rose	RH	5-4	305	21,804	3.9	852
J. M. Stoltzfoos						
Arlinda	RH	6-2	305	22,659	3.8	851
Lloyd B. Sensenig						
Pearl	RH	4-7	305	22,541	3.8	851
Pam	RH	3-11	305	22,222	3.6	810
Grace	RH	3-4	305	22,408	3.5	775
Danda Farms						
Andy	RH	3-7	305	20,643	4.1	850
Marvin S. Nolt						
1	RH	4-2	305	21,550	3.9	849
Jonas B. Stoltzfus						
Hi Hope	GrH	5-7	305	23,278	3.6	847
Snap	GrH	5-7	303	17,450	4.5	785
Jonas E. Zook						
Susanna	RH	4-3	305	22,438	3.8	846
Joseph W Best & Sons						
101	GrH	7-6	305	19,655	4.3	846
Harry Zimmerman Jr.						
Lynn	RH	5-6	305	21,335	4.0	845
Melvin M Groff						
Ginny	RH	5-6	305	20,174	4.2	844
Roy H & Ruth H Book						
Sparkle	RH	6-11	305	23,601	3.6	841
Sally Jo	RH	7-3	287	22,050	3.6	784
John F. Petersheim						
34	RH	4-2	305	21,742	3.9	841
Nelson R Habecker						
4	GrH	6-3	305	19,738	4.3	841
75	RH	5-10	305	19,030	4.2	799
Aaron E. Allgyer						
Bunny	RH	9-11	293	17,226	4.9	840
Paul W Zimmerman						
97	RH	6-8	305	16,899	5.0	840
35	GrH	8-6	305	23,371	3.3	779
David R Stoltzfus						
34	GrH	6-3	305	21,229	3.9	838
Stephen J Stoltzfus						
Cupcake	RH	4-3	274	20,798	4.0	838
Verna	RH	4-0	292	17,244	4.5	776
Raymond Good						
50	GrH	4-1	291	19,536	4.3	837
28	GrH	4-1	281	19,724	3.9	773
Paul H. & Marvin Herr						
Pauline	RJ	7-8	305	18,519	4.5	837
Twin Oak Farms						
12	GrH	6-6	305	23,844	3.5	836
Aaron S. Glick & Sons						
3	RH	9-3	305	22,561	3.7	836
Joseph C. Wivell						
Dorcas	RH	4-6	305	21,292	3.9	836
Nevin & Doneen Dourte						
Donna	RH	9-4	305	20,920	4.0	836
Groffdale-Lot						
Bettann	RH	6-11	305	22,335	3.7	835
Samuel M. Martin Jr.						
13	GrH	3-7	305	26,084	3.2	833
3	GrH	4-7	305	23,765	3.4	808
J. Ray Ranck						
Teresa	GrH	8-4	305	17,598	4.7	833
Robert Gochenaur Jr.						
74	RH	7-5	305	24,968	3.3	828
Pequea Meadows Farm						
112 Idel	RH	6-3	305	24,207	3.4	826
182 Prod	RH	3-3	305	22,015	3.7	824
J. Floyd Kreider						
13	RH	5-5	305	24,169	3.4	826
Quarryville Presbyterian Home & Melvin Rohrer						
251	RH	6-1	305	20,185	4.1	826
247	GrH	6-5	286	21,796	3.7	802
P. Robert Wenger						
Donna	RH	6-2	305	19,578	4.2	826
Earl N. Landis						
Adell	RH	3-3	299	22,984	3.6	825
Dimples	RH	4-2	305	22,203	3.5	772
Loren L. Zimmerman						
Kitten	RH	3-5	305	22,593	3.7	825
Eli S. King						
18	RH	6-4	305	20,738	4.0	825
Dan S. Stoltzfus						
Shelb 37	RH	7-3	305	23,445	3.5	822
Donald R. Bare						
20	RH	7-2	305	21,173	3.9	822
Ivan M. Hursh						
Betsy	GrH	4-7	305	18,547	4.4	822
J. S. Smucker & Sons						
332	RH	3-6	304	20,153	4.1	821
Rohrer Brothers						
Violet	RH	3-7	305	18,175	4.5	821
Kenneth B. Garber						
Lee	RG	3-11	305	16,321	5.0	820
John A. Brubaker Jr.						
Acme 2	RH	5-11	305	25,793	3.2	819
J. Richard Boll						
19	GrH	5-7	305	22,605	3.6	819
Vernon R Umble & Son						
Lolly	RH	7-4	305	23,385	3.5	817
Molly	RH	5-5	305	26,200	3.1	802
Beverly	RH	4-3	305	22,555	3.4	776
Sunny Craft Farm						
Rachel	RH	7-7	305	20,123	4.1	817
Elmer M. High						
8	GrH	7-5	305	23,247	3.5	815
Glenn F. Shenk						
Sandy	RH	3-9	305	25,081	3.2	813
Norman B. Rutt-Son						
Jenn 114	RH	2-3	305	18,554	4.4	813
Dan L. Stoltzfus						
Julie	RH	3-6	305	21,441	3.8	809
Clover	RH	6-0	305	19,543	4.1	793

(Turn to Page D15)

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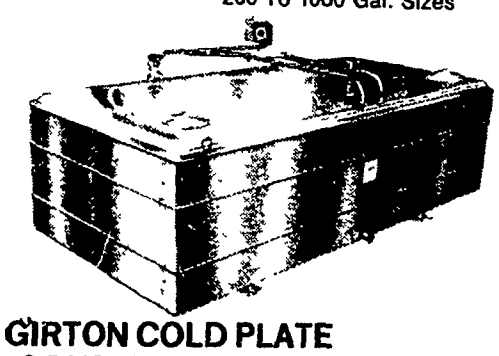

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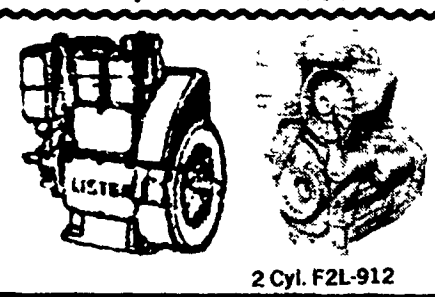

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Lancaster Co. DHIA

(Continued from Page D14)

Lester M. Weaver						
18 D	RH	6-1	305	17,936	4.5	808
Donald B. Miller						
Jolly nl.	RH	4-7	305	25,181	3.2	805
Long Acres Farm						
47	GrH	4-2	298	22,319	3.6	805
Ammon B. Lantz						
Dolly	RH	6-10	305	21,229	3 8	805
Ideal	RH	6-5	305	22,509	3.5	791
Fancier	RH	3-9	305	21,156	3.7	773
Marvin Reed						
Flora	RH	5-5	305	21,074	3 8	805
Lucy	RH	3-10	289	19,484	4.0	771
James W. Bowman						
Barbie	GrH	6-5	305	23,385	3 4	804
Homer G. Hess						
Babe	GrH	7-2	305	23,223	3 5	804
Benuel Z Lapp						
Daisy	RH	3-2	305	21,635	3 7	804
Melvin L. Shertzer						
Mable	RH	7-1	304	21,137	3 8	804
Earl R Martin						
26	GrH	8-4	305	17,808	4.5	804
101	RH	4-0	279	17,434	4 6	802
John D. Nissley						
Brooks	RH	3-3	305	21,546	3.7	803
George & Doris Hough						
Skylark	RJ	7-0	305	17,929	4 5	803
G. & J Hershey Bros						
Flo	GrH	3-5	305	21,360	3 8	801
Luke E. Martin						
55	GrH	8-3	277	18,242	4.4	801
Meadow Vista Farm						
Arlene	RH	7-0	305	21,089	3.8	800
Dancer	RH	6-6	305	23,203	3.4	795
June	RH	7-7	305	17,098	4.5	771
J. E. & Shirley Hershey						
Ida	RH	3-0	305	19,943	4 0	800
Lola	RH	4-1	305	21,557	3 6	778
Jay E. Landis						
Rosene	RH	4-9	305	19,809	4 0	800
Luke F Brubaker						
48	GrH	4-2	305	18,252	4 4	799
Robert & Joyce Wagner						
Burke	RG	4-4	305	14,491	5 5	796
Henry U. Stoltzfus Jr.						
Vigor	GrH	7-4	278	23,200	3 4	795
Beauty	RH	3-3	305	21,216	3 7	793
Violet	GrH	12-4	283	21,828	3 6	789
Melvin J. Martin						
Alma	RH	7-5	305	23,912	3 3	793
Robert N Brandt						
72	GrH	9-7	305	20,916	3 8	793
Graywood Farms						
396	GrH	4-5	305	19,997	4.0	793
308	GrH	6-7	283	20,317	3.8	782
Singing Maple Farm						
26	GrH	3-0	305	19,688	4 0	793
J. Harold Fritz						
105	GrH	4-5	305	24,735	3 2	791
Hammercreek Holstein						
744	GrH	5-1	305	16,961	4 7	791
Carl R. Martin						
Sue	RH	6-6	305	21,103	3 8	789
Samuel A. Stoltzfus						
Anna	GrH	4-0	303	17,225	4 6	788
Amos M Stoltzfus						
Adel	RH	7-9	305	23,009	3 4	786
David E DeLong						
Hannah	GrH	8-0	305	19,309	4 1	785
Noah Kreider & Sons						
264A	GrH	6-0	305	18,950	4 1	785
John S Zimmerman						
2	GrH	2-10	305	21 423	3 7	784
59	GrH	2-4	305	21,205	3 7	781
Kreider & Lusby						
91	GrH	4-3	305	18,209	4 3	784
Willis S Nolt						
72	GrH	3-7	305	20,233	3 9	783
71	GrH	7-3	305	18 979	4 1	776
John L Beiler						
Elaine	GrH	6-0	305	21,493	3 6	782
William P. Arrowsmith						
Pam	RJ	6-10	305	16,975	4 6	782
Omar Smoker						
Val	RH	4-3	305	21 751	3 6	781
Kenneth L Balmer						
Amanda	RH	6-3	305	21,290	3 7	781
H H Haverstick						
Goldie	RH	4-11	305	19,997	3 9	781
Titus B Stoner						
Lyn	RH	6-1	305	18,955	4 1	781
Wilmer L Shertzer						
87	GrH	4-5	305	22,681	3 4	780
S & A Kreider & Sons						
29	GrH	3 5	305	23,851	3 3	778
John T Byers & Son						
7	RH	3-2	305	18,313	4 2	778

(Turn to Page D16)

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MF 285	$ 2,400
MF 2640	$ 1,800
MF 2675/2705	$ 6,000
MF 2745/2775/2805	$ 9,000
MF 4800/4840	$10,000
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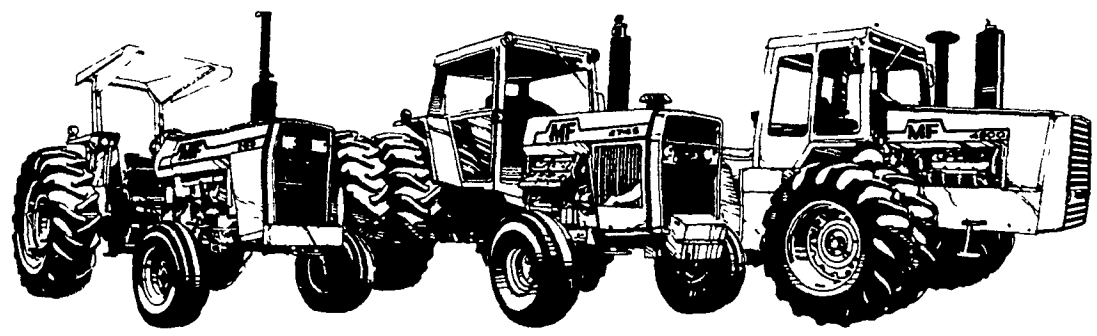

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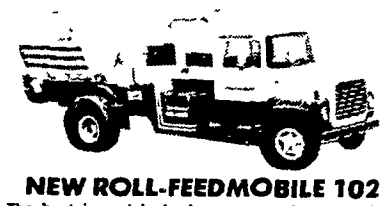

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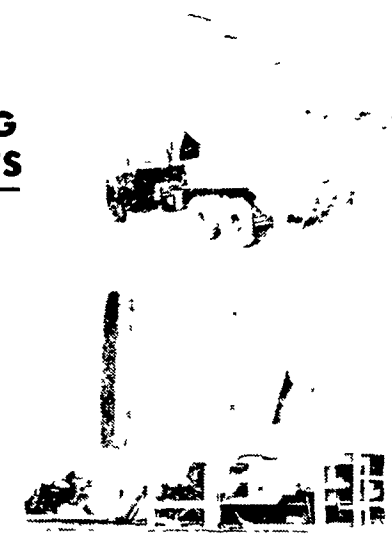

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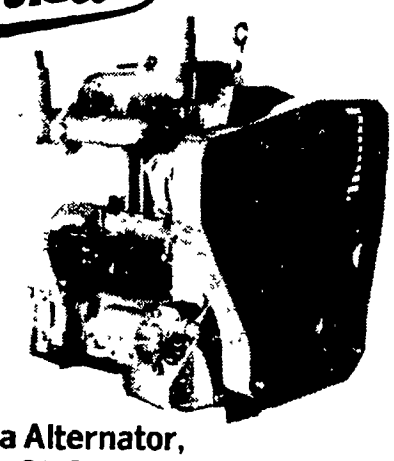

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Minimize winter herd health problems

UNIVERSITY PARK — Veterinarians are called to dairy farms in winter months more often than any other time of the year. Farmers can cut down visits and ultimately reduce vet bills with certain precautions.

Increased confinement and inadequate ventilation create an optimal environment for pneumonia and other infectious respiratory diseases, says Penn State Extension veterinarian Dr. Lawrence Hutchinson.

Poor nutrition, another major problem, according to Hutchinson, occurs in late winter because the herd is maintained almost exclusively on stored feeds that lose some nutritive value during storage.

Many of the stored or ensiled feeds become damaged due to heat-drying, ensiling or length of storing time from harvest. The nutritive value of such feeds becomes poorer as winter continues and the incidence of nutrition-related illnesses, such as ketosis, twisted stomach and milk fever increase.

Periodic analyses of forages and feeds pinpoint deficiencies in a ration so that farmers can supplement and make necessary changes to achieve a balance ration.

Hutchinson says because of more animal contact, stress due to extremely cold weather and a high moisture content in the air and bedding, pneumonia becomes a problem in the lactating cows as well as heifers and calves.

By keeping exhaust and booster fans well maintained and providing the herd with at least four air exchanges an hour, farmers can minimize the rate of respiratory infections.

Wet bedding in calving pens provides a virtual hotbed for the organism E. coli, a major cause of calf scours. Farmers can reduce the incidence of calf scours by using dry, long-stemmed bedding, such as straw or corn stover.

Because animals remain inside during winter, the calving pens tend to be used more, especially on farms with limited space. A pen may be used for a sick cow one day and a fresh cow with calf the next. Frequent changes of bedding help provide the animals with a cleaner environment and reduce the spread of disease.

To ensure further protection from scours and other transmissible diseases, calves are best maintained individually, either in outdoor hutches or indoor pens. Don't keep calves together before weaning, advises Hutchinson.

A healthy cow will begin the winter months with ample body stores of nutrients but must rely on stored forage and feed during the latter part of the winter. A cow in poor condition to begin with starts the cold season at a disadvantage.

Reducing various detrimental effects on herds from the cold northeast winters can be implemented on most farms, however, to some farmers, winter can seem like the longest season of the year, Hutchinson observes.

Lancaster Co. DHIA

(Continued from Page D15)

Mervin Sauder						
Peck	RH	4-4	305	21,925	3 5	777
Samuel F Long						
Joyce	RH	4-6	305	21,645	3 6	777
Red Knob Farm						
180	GrH	6-2	305	20,783	3 7	777
Ferncrest Farm						
292	RH	5-6	305	20,476	3 8	777
John E Kreider						
Jelly	RH	5-6	305	24,252	3 2	776
Brubacher & Martin						
5	RH	4-6	292	21,740	3 6	775
Nathan E Stoltzfus						
Marlene	RH	3-1	305	20,678	3 7	775
Clarence M Hoover						
Holly	GrH	5-4	305	19,996	3 9	775
Aaron B Lantz						
Hinda	RH	4-5	305	22,745	3 4	774
Walter C Pownall						
155	GrH	5-10	305	17,986	4 3	774
Sol S Stoltzfus						
12	GrH	7-3	305	24,736	3 1	773
Kenneth E Zurin						
Jud	RH	6-5	305	21 664	3 6	773
Spring Lawn Farm						
126	RH	6-9	305	18,079	4 3	773
James Martin						
Minerva	RA	6-5	305	17 882	4 3	773
John D Martin						
Deb	RH	7-9	305	23 520	3 3	772
Paul M Fahnestock						
1	GrH	9-0	305	21,040	3 7	772
Samuel B Lapp						
Phil	RH	4-11	296	18,847	4 1	772
David L Landis						
Gerry	RH	10-7	299	18,843	4 1	772
Joseph L Fisher						
Rachel 2	RH	3-3	305	24,305	3 2	771
Harry H Ranck Jr						
Ginger	RH	4-8	305	20,872	3 7	771
K D & Else Linde						
Helga	RG	3-3	299	16,890	4 6	771
Charles Smith						
61	RH	4-2	251	20,489	3 8	770
Melvin S Stoltzfus						
33 Tilda	GrH	6-1	282	17,190	4 5	770

Export sales to India

WASHINGTON, D.C.—Private exporters recently reported to the U.S. Department of Agriculture optional origin export sales of 20,000 metric tons of soybean oil for delivery to India during the 1982-83 marketing year, which ends Sept. 30, 1983. An optional origin contract provides that the origin of the commodity may be the U.S. or one or more other exporting countries.

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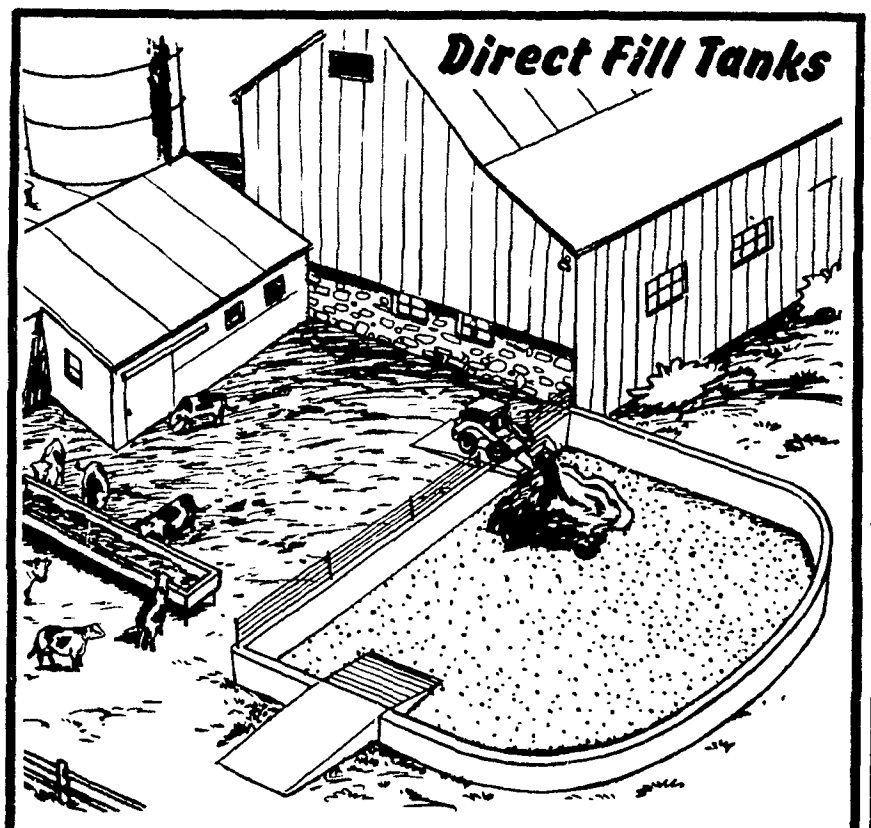

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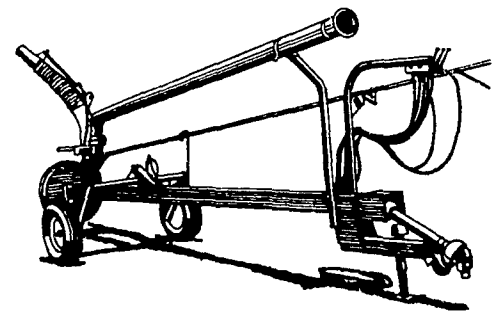

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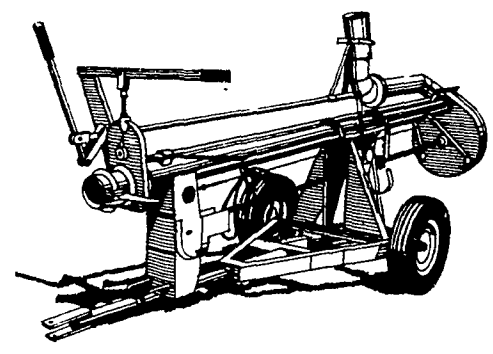

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Granular inoculum doubles soybean yields

MAXATAWNY — Since 1920 when soybeans were first introduced in the U.S., the inoculation of the seeds with rhizobia bacteria has been a recommended practice to increase crop yield. A powdered rhizobia inoculum applied directly to the seeds has been used most successfully by farmers since that time.

But tests recently completed at the Rodale Research Center have shown that a new granular inoculum called Soil Implant can be even more effective in increasing yields than its powdered predecessor.

Agronomy researcher Martin Culik describes the results of the Research Center test:

"For our experiment, we divided up a field that had not been planted to soybeans in at least ten years," he says. "Our control plot, which received no inocolum, yielded only 22 bushels per acre. Applying a popular dry powder inoculum to seeds on a second plot yielded a respectable 36.4 bushels. On the third plot, however, we applied a newer, granular inoculum to the soil. The yield for that plot was 42.9 bushels per acre, nearly double the amount produced without inoculation."

The granular inoculum more than pays for itself, says Culik. "Figuring soybeans at $5 per bushel, the granular inoculum grossed about $25 more per acre than the dry powder treatment and almost $115 more per acre than the untreated plot."

The granular inoculum seems to be effective for several reasons, he notes. It protects the rhizobia from high temperatures and dry soil conditions that could kill the bacteria. And, because of its formulation, it seems to place more rhizobia near the plant roots. In addition, it is applied at a higher rate than seed applied inoculum, usually through the recalibrated insecticide hoppers of row-planters or the fertilizer or small seed hoppers or grain drills.

There are several granular inoculums presently available. The one used by the Rodale Research Center has been marketed in the south for seven years. It is manufactured by the Nitragin Co., Inc., 3101 W. Custer Ave., Milwaukee, WI, 53289; 414/462-7800. Another supplier of granular inoculum is Urbana Laboratories, 402 N. Race St., Urbana, IL 61801; 217/367-3046.

Grange starts new investment service

HARRISBURG — In order to help farmers and rural residents make wise use of their savings, the Pennsylvania State Grange has started an investment service which will offer complete financial services and planning for Grange members.

The new Grange Investment Service is an expansion of the Grange's current Individual Retirement Account Service, which now assists members with opening tax-deferred IRAs, according to Charles Wismer, State Grange Master.

"We saw a need to offer sound investment advice to our members at prices they can afford," Wismer said. "With all the new investment options open to people, finding the right one can be very confusing. Good financial advice is hard to find without paying exhorbitant brokerage fees."

Stocks and bonds, mutual funds, money markets, and certificates of deposit are a few of the many investment opportunities offered through the new Grange service. Rates will be more than competitive, Wismer said.

Charles Vance, an investment broker who currently runs the Grange IRA Service, will also head the investment program from his Harrisburg office. In most cases, investments will be handled by phone via a toll-free number, and by mail.

The firm backing the investment service is a member of the New York Stock Exchange, American Stock Exchange and the Philadelphia Stock Exchange.

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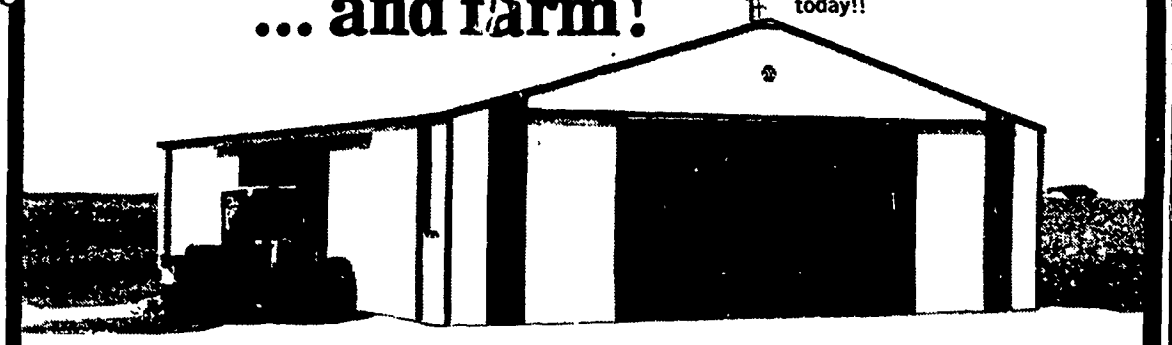

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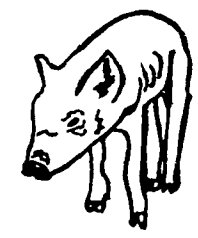

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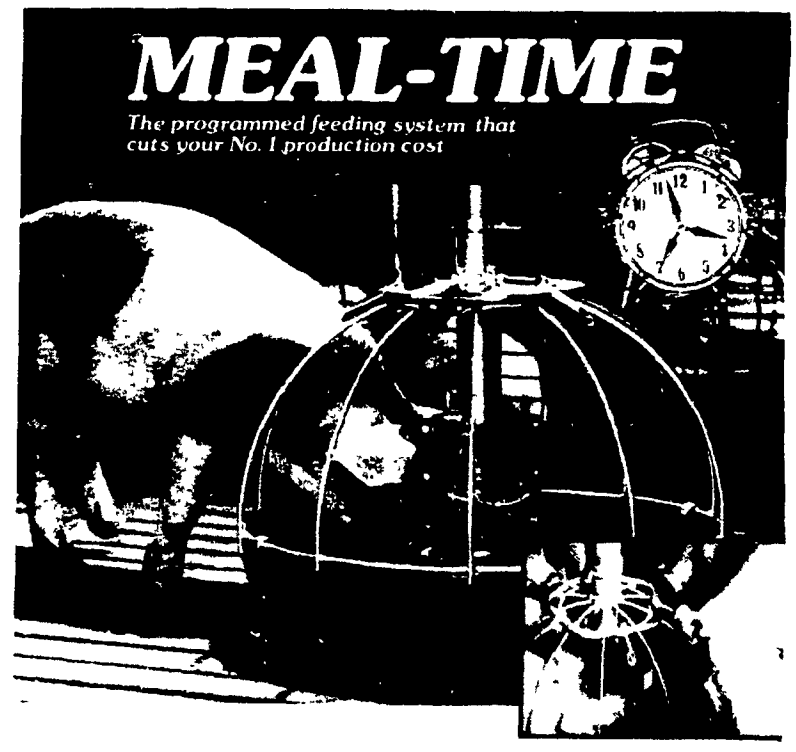

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Judge tags Limousin champs

DENVER,Colo. — Limousin enthusiasts watched closely during the 1983 National Open Limousin Show, held Jan. 14 during the National Western Stock Show as Randall Grooms, Overton, Texas, judged the 124-head show, assisted by consulting judge Ed Sutton of Suwanee, Ga.

MK Lana, a Sept. 2, 1981 747 daughter walked away from the show with the grand champion female and junior heifer champion honors. The heifer is owned by McKown & Baker Limousin, Norman, Okla.

Overall reserve grand champion female was HLF Kiss Me Quick 10N, owned by Ellis-Vantrease, Blanchard, Okla. The Espoir de Carnaval daughter, calved Feb. 17, 1981, was also the senior champion of the show.

MK Sonic Jet, a Nov. 16, 1980 bull sired by 747, captured grand champion and senior champion honors at the open bull show. Sonic Jet is owned by Spitz Limousin Farms, Norman, Okla.; McKown & Sons Limousin, Norman, Okla.; and Baker Limousin, McKinney, Texas.

Capturing the reserve grand champion open bull title was YKCC Atlantic owned by Yackley-CMC & Baker, Onida, S.D. Atlantic, calved March 27, 1981, is sired by 747.

On the female side of the open show, the first champion of the day was Fanfaron Miss 81 of WAF, owned by Cheryl Matthews of Springfield, Mo. The Nov. 3, 1981 Fanfaron daughter was named champion Limousin heifer calf.

The heifer calf reserve championship went to a Feb. 19, 1982 Canadian Pacific daughter named OXNW Belle 773 P. The heifer is owned by Ox & W Limousin, Huron, S.D.

LBLN Nightingale 50 N, owned by Michael Johannsen, Sutherland, Iowa, was reserve champion female in the junior division. The Replay daughter was calved April 30, 1981.

The reserve champion senior heifer title went to Texs Star 878N, owned by Sam Scott, Rising Star, Texas. The March 13, 1981 heifer was sired by 747.

On the bull side, a March 18, 1982 747 son owned by McKown Limousin Ranch and Southwest Cattle Co., Norman, Okla., was named calf champion of the national open show. Captain in Command, the bull calf champion, was followed by another McKown entry for reserve. MK Jet Blitz, a Jan. 22, 1982 bull sired by 747, took reserve champion calf honors.

In the junior bull category, Sportscaster captured the championship. The July 6, 1981 Network son is owned by Lazy J Coyote Hill, Canadian Valley and JCL Cattle Co. of Welch, Okla. Reserve champion junior bull was Spitz Outlaw W57 N. an Oct. 15, 1981 Innovator son entered by Spitz Limousin Farms.

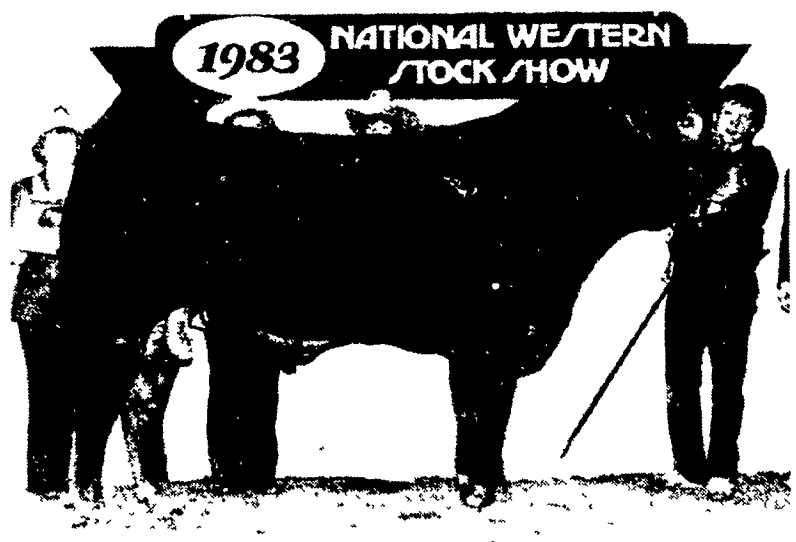
In group classes, McKown & Baker Limousin won the best pair of heifers class, followed by Yackley-CMC Cattle Co.

McKown, Worrell, Baker and Spitz had the best five head; while Yackley-CMC and London Limousin captured the pair of bulls class.

Get of sire went to McKown, Baker, McCullar and Worrell with get of 747.

HLF Kiss Me Quick 10N, owned by Ellis-Vantrease, Blanchard, Okla., won reserve grand champion female honors. The Espoir de Carnaval daughter, calved Feb. 17, 1981, was senior champion of the show.

MK Lana was a double winner in Limousin events at the 1983 National Western Stock Show, as she captured grand champion female honors in both the open show and the junior heifer show. The Sept. 2, 1981 "747" heifer was shown by 15-year-old Vernon McKown, Norman, Okla.



MK Sonic Jet, a Nov. 16, 1980 son of "747," was slapped grand champion bull of the 1983 National Open Limousin Show.

YKCC Atlantic was judged the reserve grand champion bull of the National Limousin Show. The March 27, 1981 bull is a 747 son.

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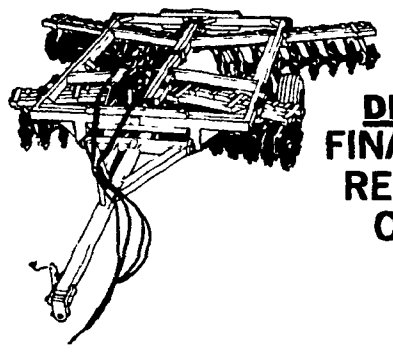
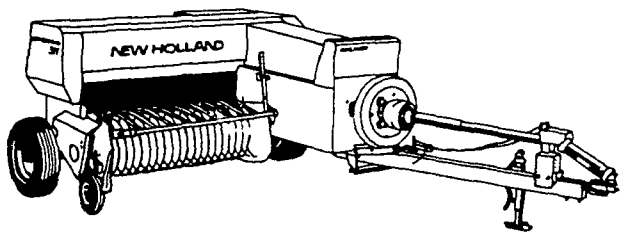
LOADERS: WAIVER OF FINANCE TO 6/1/83 OR REBATES FOR CASH OF $350 TO $600

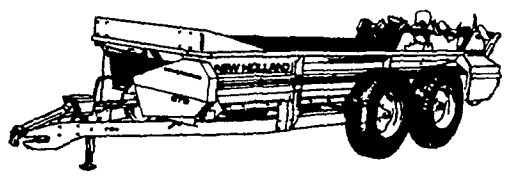


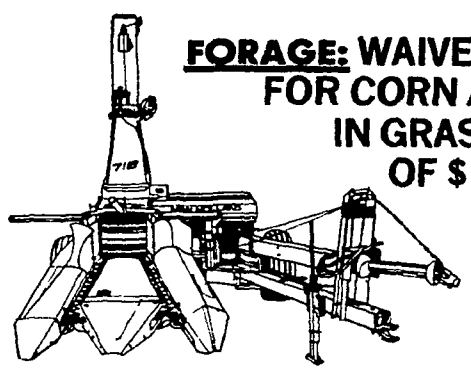
DISKS: WAIVER OF FINANCE TO 3/1/83 OR REBATES FOR CASH OF $150 TO $500

COMBINES: WAIVER OF FINANCE TO 8/1/83 FOR GRAIN AND 10/1/83 FOR CORN AND REBATES OF $4000

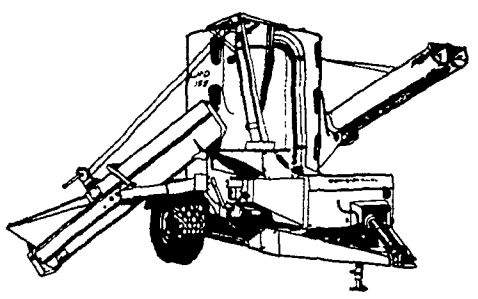


HAY TOOLS: WAIVER OF FINANCE TO 7/1/83 AND REBATES OF $25 TO $1200





FORAGE: WAIVER OF FINANCE TO 9/1/83 FOR CORN AND 6/1/83 FOR USE IN GRASS AND REBATES OF $100 TO $3400



SPREADERS / GRINDER-MIXERS: WAIVER OF FINANCE TO 6/1/83 OR REBATES FOR CASH OF $100 TO $325

Dairy Pipeline

(Continued from Page D10)

Dairy Farm Business Analysis Summary, for herds of 50 to 70 cows, as my initial guideline. I adjusted these for different levels of production and for $12.50 milk prices. I also assumed it cost a $1,000 to raise a calf to a freshening age of 24 months.

These figures will not apply to any single farm situation. So, use your own figures for greater accuracy. It is the relationship of lifetime profits to longevity and production that I want to illustrate.

At the lower level of production, a heifer never starts earning a profit until mid-way through her third lactation. More productive heifers may start turning a profit near the end of their second lactation. The amount of time required will vary with milk prices, production level and production costs.

Look at the effect of longevity on lifetime profits and profit per year of life. Lifetime profits (and herd profits) can be doubled by increasing longevity from 3 lactations to 4. They can be doubled again by increasing it from 4 lactations to 6. This is due to at least four reasons:

- Once a heifer's rearing costs have been paid for, each additional lactation becomes a profit-making lactation.
- Production and profit per lactation increase with maturity, as the figures above illustrate.
- The greater the longevity, the less the culling rate, and the fewer replacements you need. That reduces replacement costs per lactation - from $333 per lactation with a 33 percent cull rate to $200 per lactation at a cull rate of 20 percent; that's $133 more profit per lactation.
- Because you need fewer replacements, and because you now have more heifers to choose from, you can cull more selectively and upgrade you herd at a more rapid rate.

As you strive to improve longevity, determine what it is that causes your good cows to depart from the herd too soon. Then, focus your efforts on correcting these problems.

Production

Low production is one reason for culling cows. A 1,000-pound increase in production can net you about $80 to help offset a 50-cent deduction. At $12.50 per one-hundred pounds, 1,000 pounds of milk generates $125 more income. Deduct $45 for extra feed and other expenses and you have a net of $80.

Mastitis

Dairy producers are said to be losing $180-$200 per cow per year as a result of mastitis infections. The biggest loss is in the form of lost milk production, a loss you never see — just feel. Reducing your present cell counts by slightly more than one half can help you make up a 50-cent loss in milk price.

Let's look at some milk loss figures from research studies performed on thousands of cows, and assign some values to these losses.

Add to these losses, the cost of drugs and veterinarians, dumped milk, and premature culling. Ask you Extension agent for a Penn State list of 14 Steps to Control Mastitis.

Reproduction

Every day a cow stays open beyond the time she should be bred could be costing you $3-4 per day. It may cost you $2 per day to feed and house her, plus you're losing $1-2 profit because she's not milking. Reducing long calving intervals by 3 to 4 weeks can help make up for a 50-cent decline in milk price.

So, be sure to feed cows properly and keep them healthy so they will cycle properly, show strong heats and conceive better. Also, observe cows frequently for heat, and breed them at the proper time. Check your seman quality and inseminating techniques. Keep cows free of infections and diseases and avoid other stresses that interfere with conception.

Injuries

Injuries cause too many good cows to leave too many herds too soon. Prevent slippery concrete surfaces, repair stalls, gather up debris, give cows an occasional reprieve from the stress of constantly being on concrete, breed for soundness, prevent foot problems by proper feeding, hoof trimming, and by keeping cows out of wet areas.

None of these ideas require much, if any, capital. Nor do they require any herd expansions. If you are already doing a good job in these areas, then maybe more cows is the answer for you.

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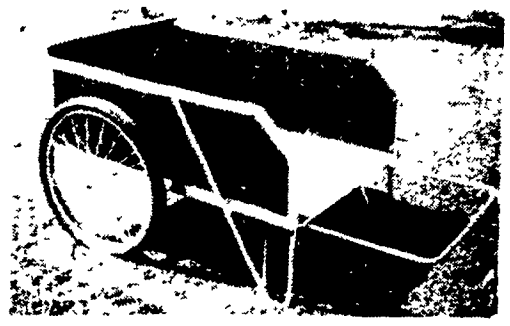

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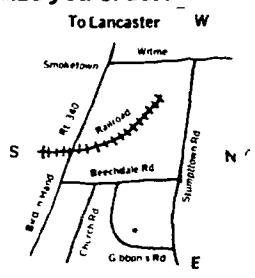

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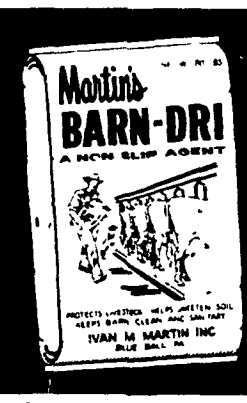

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Shorthorn Assn. elects officers

OMAHA, Neb. — Ric Hoyt, member of Walter J. Hoyt and Sons, Burns, Or., was recently elected to the presidency of the American Shorthorn Association at the National Show and Annual Meeting held recently in Denver, Co., at the National Western.

Hoyt, in partnership with his brothers Jay, Steve, and Jeff, maintains a 2,500 head cow herd, and, along with his wife, Judy, assumes responsibility for the purebred Shorthorn cattle in the ranch operation. The Hoyts are strong believers in performance testing and specialize in range bull production. Cattle from the Walter J. Hoyt and Sons Ranches perform not only on the ranch, but also with great success in the show ring as well.

Hoyt is a founder and director of the Oregon Shorthorn Association and also is a member of the board of directors of the American Polled Shorthorn Society and the Pacific International, Portland, Or. He also is supportive of the Oregon Cattlemen's Association, the Harney County Stockgrowers, Harney County Fair Board, and the local 4-H program. He and his wife, Judy, are the parents of four children, Cindi, Kendra, Ricky, and Preston.

Also elected to office was James Bondurant of Beau Monde Farms, Hodgenville, Ky. Serving as vice president, he will begin filling a three-year term on the ASA Board of Directors. Other newly-elected board members are Bill Scott, Scott's Polled Shorthorns, Ransom, Ks.; and Barry Jordan, Waukaru Shorthorns, Rensselaer, In.

Remaining members of the nine-member national board are: Dick Prentice, Fulton, Mo.; George Alden, Hamilton, Mo.; Chuck Leemon, Hoopestown, Il.; Mike Dugdale, Omaha, Ne.; and Dick Braman, Ashley, Mi.

Sale Reports

A public auction of farm equipment and trucks was held Jan. 22 by Mr. and Mrs. Howard E. Thompson, Hartly, Delaware.

Some prices were: Steiger Cougar tractor $38,000, Case 1200 Comfort King $9,000, Int. 826 tractor w/hydrostat $8,200, Int. 574 tractor $4,700, Case 830 tractor $4,000, Int. 815 combine w/cab & 13' cutting bar $9,400, John Blue 500 gal. sprayer $3,600, Krause disc $7,900, Brillion fold-up packer $3,800 and 1974 Ford F700 truck w/14' dump body $9,400.

Sales Mgr. & Auctioneers were C.T. Scuse & Sons.

xxx

An auction of farm machinery was held Jan. 22 by Mark Butler on Jim Trout's farm at 10104 Dublin Rd., Walkersville, Frederick Co., Md.

Some prices included: Int. 706 D tractor $2,910, Athens 84 disc harrow $1,350, Int. 540 manure spreader $710, Husky 155 grain wagon $525, 2 Badger 1416 self-unloading wagons $500 & $420, Danco pipe side throw bale wagon $1,350, 1980 double gooseneck livestock trailer $910, N.H. 479 Haybine $1,400, J.D. 100 chisel plow $950, Oliver 4-row planter $825 and Int. 47 baler w/thrower $510.

Trout Auctioneers, Inc. conducted the sale.

xxx

A public sale of farm equipment was held Jan. 22 by Milton and Lizzie Horst along Rothsville Rd., between Rt. 272 and Rt. 772, 1 mile north of Akron, Pa. There were approximately 750 people attending the sale.

Some prices were: A.C. 7020 tractor w/cab $17,250, A.C. 5050 tractor w/loader $5,300, Caterpillar diesel engine $1,025, 55KW Katolite generator $2,550, A.C. 14' transport disc $5,000, N.H. hay rake $950, N.H. grinder-mixer $3,300, 5-bottom plow $1,900, chain saw $70, 6 Holstein heifers (6 mo. to 1 yr.) averaged $290 & drop leaf table $225.

Elton & Alvin Horning were the auctioneers.

xxx

A public auction of a modern 110-acre dairy farm and farm equipment was held Jan. 18 by Kevin L. and Lois A. Hertzog, between Boyertown and Oley, west of Pleasantville, Berks Co.

The 110-acre limestone soil farm sold for $300,000 and included 80-acres tillable, balance meadow and pasture land with a large stream. Also a 2½ story stone house, large 76 Show-Ease stall barn, 2 concrete silos plus other cattle sheds.

Other prices were: J.D. 4430 diesel tractor $11,900, J.D. 2520 tractor $5,700, N.H. 894 forage harvestor w/2 heads $7,150, J.D. chisel plow $1,200, J.D. 6-bottom 16" plow $1,000, J.D. 6-row 30" corn planter $7,000, J.D. haybine $5,000, N.H. grinder-mixer $2,950, Bob Cat #310 skid loader $3,790, N.H. tandem axle manure spreader $3,350 and Badger forage wagon $1,850.

Sale conducted by Ralph W. Zettlemoyer Auction Co. Inc.

x

A Holstein dispersal was held Jan. 18 by A.T., H.N. & Mike Grossnickle at the Three Nickels Farm, 11833 Beaver Dam Road, Union Bridge, Md. A total of 88 Holsteins sold.

The top registered cow sold for $2,225. There were two sold for $1,900 and one of these was a grade cow. Another Holstein cow sold for $1,850.

Sale Manager was Remsburg Sale Service.

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

JANUARY

SAT. JAN. 29 - 9:30 A.M. Public Sale of Real Estate, Antiques and Household Goods. Located at the Denver Fire Hall, 5th and Locust Sts., Denver, PA, Lancaster Co., PA. Clara Moyer Estate. Frank and Paul Snyder, Auctioneers.

SAT. JAN. 29 - Public Sale of Holstein Heifer and Farm Equipment. Located 3 mi. south of Greencastle, PA, along Milnor Rd. at Milnor. Ira Martin, Owner. Ralph W. Horst, Auctioneer.

SAT. JAN. 29 - 11 A.M. Public Sale of Real Estate, Household Goods and Michter Decanter Collection. Located at 216 E. Walnut St., Ephrata, PA. Russell H. Rupp, Owner. T. Glenn and Timothy G. Horst, Auctioneers

SAT. JAN. 29 - 8:30 A.M. Public Sale of Vans, 4x4, Pickup, Car, Office Equipment, Furniture, Contr. and Shop Tools and Supplies and Misc. Located at 3465 N. 6th St. in Harrisburg, PA John Stapt Corp./Jotoba Corp., Owners Vilsmeier Auction Co., Inc.

SAT. JAN. 29 - 11 A.M. Public Sale of Cattle. Located on the farm near Shenandoah Junction, in Jefferson Co., WV, from Charles Town, WV, take Rt. 9 west approx. 4 mi and turn right at the Community Center, just before you get to the railroad tracks, turn left and follow Ridge Rd., 2½ mi. to the farm. B. Wayne Knott, Owner. Remsbury Sale Service, Auctioneers

SAT. JAN. 29 - 10 A.M. Consignment Sale of Work and Driving Horses by Keister's Middleburg Auction Sales, Inc. Rt. 555 3 miles East of Middleburg, 5 miles west of Selinsgrove, Pa. Don and Walt Keister, Owners; Ray Long and Dave Imes, Auctioneers

SAT. JAN. 29 - 9 A.M. Dispersal of Cattle, Farm Equipment, Some Household Goods, etc. Located about 3 mi. south of Greencastle, PA, leave Rt. 81 at Exit 2, take Rt. 11 south to Milnor Road, then west to Milnor, from Williamsport Pike take Milnor Rd east, farm lane turns south at Milnor. Sale by Ira M. Martin. Ralph Horst, Auctioneer

SAT. JAN. 29 - 9:30 A.M. Public Sale of Antiques. Located at Troxelville Antiques, Troxelville, PA. Joe Herman, Owner. Mark J. Jones and Dale L. Longacre, Auctioneers

SAT. JAN. 29 - 11 A.M. Public Sale of Holstein Dairy, Machinery and Produce. Located at Elmer, PA, Potter Co., off Rt. 49 between Westfield and Harrison Valley, watch for arrows at ARCO Store. Mr. and Mrs. Berry Shea, Owners. Robert M. Shaylor and Jerry Pirrung, Sale Managers.

SAT. JAN. 29 - 9 A.M. Public Sale of Antiques, Household, Glassware, Sterling Silver, Oriental Rugs and Guns. Located taking Rt. 34, ½ mi. north of Gettysburg, bear right at Y at car wash and continue 2 mi. on Table Rock Rd. to auction site. J. Kermit Hereter Estate. C. David Redding, Auctioneer.

SAT. JAN. 29 - 11 A.M. Public Sale of Cattle, Produce and Machinery Located at Elmer, PA off Rt. 49 between Westfield and Harrison Valley, Potter Co. Mr and Mrs. Barry Shea, Owners Jerry Pirrung and Robert M. Shaylor Sales, Sale Managers

SAT. JAN. 29 - 9:30 A.M. Public Sale of Tractors, Horse Drawn Wagons and Equipment, Farm Equipment, Industrial Equipment and Misc. Located just off Rt. 119 at Scottsdale exit, left at Long John Silvers. McGill Equipment, Inc. Consignment Sale. Edgar Bohrer, Gene McGill and Fred Peters, Auctioneers

SAT. JAN. 29 - 11 A.M. Public Sale of Farm Equipment. Located at Warner Corners Rd., Valois, NY, approx. 7 mi. from Trumansburg, NY. Roger Williams, Owner. Ed Goodrich, Jr., Auctioneer.

SAT. JAN. 29 - 10:30 A.M. Public Sale of Cattle, Machinery and Produce. Located at South Hill Rd., approx. 1 mi. north of Truxton, NY. Carl Crispell, Owner. Jack Wood's Livestock and Auction Service.

ARNOLD'S 25TH PRODUCTION SALE

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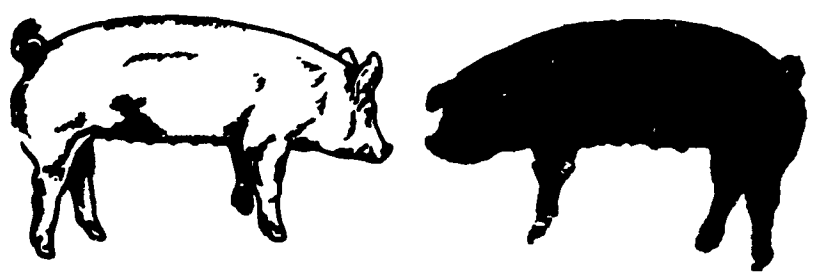
Yorkshires **Durocs**



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NEW HOLLAND SALES STABLES, INC.
12 miles east of Lancaster, Pa. at New Holland, Pa.

Sale of Small Items 9:00 A.M. Farm Equipment 11:00 A.M.

FARM EQUIPMENT

TRACTORS- JD 2630 Diesel; JD 2020; Case 995 Diesel; David Brown 1200 Diesel; David Brown 990D; Oliver 550 w/loader; JD 4230D; JD 2630D fully equipped, 2100 hrs., new rubber; MF 40 w/ industrial loader and fork, cab, instamatic transmisssion; IH 1456; IH 1066 w/cab.

EQUIPMENT- NH 315 baler w/thrower; NH 479 Haybine; JD 110 disc; NI manure spreader; (2) E-Z Trail bale wagons, McD side rake; 16' new wagon; 16' new High side hay bed; JD 999 2 row corn planter with plateless units; (1) JD 32 KBA disc; (1) new 3 pt. plastic layer; JD 25 bale carrier; NH 790 spreader; NH 518 spreader; NI 218 spreader; NH S676 spreader; JD 54 spreader; NH 516 spreader; NI 12A spreader; NH 513 spreader; NI 214 spreader; IH 101 spreader; NH S676 spreader; NH 367 flail tank spreader; NH 77 baler; JD 14T baler; NH 271 baler; 720 Oliver baler; Keston manure spreader PTO 270 bushel; JD sickle bar mower; land roller; NI side delivery rake; (new) NI 213 manure spreader; used JD 54 manure spreader; NI wheel rake; McD 7' rotary scythe; MC choppers; Hawk Bilt tank spreader; Bearcat grinder-mixer; JD 1250 6R corn planter; Dunham 11' cultimulcher, JD #5 mower, 24' iron feed trough; 5 and 6 ft. iron feed troughs, various lengths hog troughs, newly painted; 2 horse Reber wagon w/cushion seat sold by Isaac Plasterer in early 1900's, antique row scorer, round locust posts, 100 collars, most Irish, various sizes ready for use. JD Flail Chopper, NI #10 1 Row Corn Picker, NH Super 68 Baler, Starline Ensilage unloader w/motor for 20' silo, 10 h.p. steamer boiler horizontal flue type state inspected, 1970 Ford sprayer, heavy duty 4 wheel drive 500 gal bulk tank permanently mounted, Cockshutt 30 tractor 3 pt. hookup, step down gear belt pulley good running condition, NH #56 hay rake, Farmhand portable hammer mill, Oliver 252 Disc, Weaverline automatic battery operated silage cart, Leroy power unit with Rockwell clutch and PTO.

Register early sale day in main office for your buyer's number.

All new buyers and out of state buyers must have current letter of credit from bank.

Equipment Sale Dates- Friday March 4th and Friday, April 8th.

Abe Diffenbach, Manager
For more information contact Abe Diffenbach or Norman Kolb at 717-354-4341.

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

SAT JAN. 29 - Public Auction of Construction Equip and Tools located in Harrisburg, PA. Vilsmeier Auction Co. Inc. 215-699-5833

FEBRUARY

TUES. FEB. 1 - 1 P.M. Public Sale of Cattle and Dairy Equipment. Located on the Cohocton to Loon Lake Rd, Co Rd. 121, 2nd farm west of exit 2 of I-390. Ed and Mary Saxton, Owners. Pirrung Auctioneers, Inc.

TUES. FEB. 1 - 5:30 P.M. Farmersville Auction in Farmersville, 3 mi. East of Brownstown, Lancaster County, Pa. John J. Rutt, Auctioneer.

WED. FEB. 2 - 5:30 A.M. Public Sale of Antiques, Oriental Rugs and Collectables. Located at General Sutter Inn, Main and Broad Sts, Lititz, PA. E.M. Murry Associates, Auctioneers

FRI. FEB. 4 - Public Sale of Farm Equipment at New Holland Sales Stables, Inc., New Holland, Penna.

FRI. FEB. 4 - 9 A.M. Public Sale of Farm Equipment at New Holland Sales Stables, Inc., 12 miles east of Lancaster, Pa. at New Holland, Pa. For more information contact Norman Kolb or Abe Diffenbach 717-354-4341

FRI. FEB. 4 - 5.30 P.M. Gap Auction. Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & son, Auctioneers.

SAT. FEB. 5 - 2 P.M. Public Sale of 2½ Story Frame Dwelling and Barn on 1 Acre of Land. Located at 181 E. Main St., Leola along Rt. 23 in the Village of Bareville, John Henry and Esther H. Weaver, Owners. Robert E. and Jeffrey R Martin and Frank L. Steller, Auctioneer

SAT FEB. 5 - 10:30 A.M. Horse Sale. Penns Valley Livestock Auction, Centre Hall 814-364-9096.

SAT FEB. 5 - Public Sale of Farm Equipment Located 1½ mi. north of Newburg, PA along Rt. 641. Mrs. Lee Ansley, Owner. Ralph W. Horst, Auctioneer.

SAT FEB. 5 - 9.30 A.M. Public Sale of Antiques, Tools, Guns and Musical Instruments. Located at the Denver Fire Hall, Locust, St., Denver, PA, Exit 21 PA turnpike S on Rt 272 to Reamstown, turn right at light, go to Denver, turn rt at 1st light, 5 blocks to Locust St. Larry E Beavens, Owner T Glenn and Timothy G Horst, Auctioneers

SAT FEB 5 - 10.30 A.M. Public Sale of Horses Located at Penns Valley Livestock Auction Ron Gilligan, Auctioneer

SAT. FEB 5 - Public Sale of Line Equip and Trucks located in Wrightstown, PA Vilsmeier Auction Co Inc 215-699-5833

SAT. FEB 5 - Stonehurst Stable (Welk) Public Sale located Lime Valley Road, west of Strasburg, PA

SAT FEB 5 - 10 A.M. Public Sale of Machinery, Accessories and Shop Tools. Located on the Guyanoga Rd., 2 mi north of the intersection of Rts 54-A and 54 at Branchport, or 7 mi. south of Rte 364 midway between Potter and PennYan Estate of Charles G Martin. Pirrung Auctioneers, Inc

SAT FEB 5 - 10 A.M. Public Sale of Indian Artifacts. Located in Millersville Fire Hall, 25 E. Charlotte St, Millersville, PA. Walter H Hershey Estate. Howard Shaub and Roy C. Probst, Auctioneers

SAT. FEB. 5 - 10:30 A.M. Public Sale of Farm Machinery, Tools, Parts, Misc., Poultry and Irrigation Equipment, Grain Dryer, Storage and Household. Located on farm, 4 mi north of Odessa, DE on U.S 13, southbound lane, 2½ mi. south of St. Georges Bridge. F.W. Haas and Sons, Inc., Owners. Harry Rudnick and Sons, Inc., Sales Managers

SAT. FEB 5 - 11 A.M. Public Sale of Truck/Vegetable Farming Equipment, Tools and Building. Located at 208 Kidwell Ave., Centerville, MD. Mr. and Mrs Wilton Ireland, Owners. Col. Ross Rhods, Auctioneers.

SAT. FEB. 5 - 9 A.M. Public Sale of Antiques, Household, Glassware, Silver, Stock and Rugs. Located taking Rt. 34, ½ mi. north of Gettysburg, bear right at Y at car wash and continue 2 mi. on Table Rock Rd. to auction site. Philip Bikle Estate. C. David Redding, Auctioneer.

SAT. FEB. 5 - 11 A.M. Public Sale of Cattle and Farm Machinery. Located on Nicholson-Hop Bottom back road, 3 mi. north of Nicholson, PA, 4 mi. south of Hop Bottom off 167. Mr and Mrs Wayne Oakley, Owners Howard W. Visscher and Bill Mead, Auctioneers.

SAT. FEB. 5 - 11 A.M. Public Sale of Cattle and Machinery Located 5 mi east of Penn Yan, 1 mi. south of Dresden, Rt. 14. Victor and Donald Wood, Owners. Bob Allen, Auctioneer.

TUES. FEB. 8 - 5:30 P.M. Farmersville Auction in Farmersville, 3 mi. East of Brownstown, Lancaster County, Pa. John J. Rutt, Auctioneer.

THURS. FEB. 10 - 9:30 A.M. Public Sale of Farm Equipment, Tools and Dairy Equipment. Located in Kirkwood, PA, Southeast Lancaster Co., turn east off Rt. 472 at Kirkwood Post Office, go to 2nd road right Cooper Dr., ¼ mi. to sale. Samuel K. Zook, Owner. Blaine N Rentzel, Auctioneer

THURS. FEB. 10 - Public Sale of Farm Machinery, Household Goods, and Antiques. Located 3 mi. south of Strasburg. Daniel and Barbara Smucker, Owners. Steve Petersheim, Auctioneer.

THURS. FEB. 10 - 11 A.M. Public Sale of Farm Equipment, Trucks, Fertilizer Equipment, Hay and Oats. Located 4 mi. west of Tamaqua between Rt. 309 and 61, first blacktop west of the village of New Ringgold, turn north off Rt. 895 onto blacktop north toward Lewistown Valley, 4 mi just past Heisler's Dairy Restaurant, turn right toward Tamaqua for 2 mi to farm, Schuylkill Co., PA. Raynor and Joan Leiby, Owner. Ralph W. Zettlemoyer Auction Co., Inc.

FRI. FEB. 11 - 10 A.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.. For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

FRI. FEB. 11 - 11 A.M. Public Sale of Construction Equipment, Cars, Trucks, Loaders and Etc. Located in Felton, DE. Carroll's Sales Co., Inc.

SAT. FEB. 12 - Public Sale of Farm Machinery, 23 Head Holsteins, Household Goods, Antiques, Ear Corn and Silage. Located 2 mi. east of Gap. James and Elizabeth F. Stoltzfoos, Owners. Steve Petersheim, Auctioneer

SAT. FEB. 12 - 10 A.M. Public Sale of Tractors, Trucks and Farm Machinery. Located at Rt. 40 and Dutch Mill Rd., Malaga, NJ. Joseph Jiannoti, Owner. Sickler and Scott, Auctioneers.

FARMERSVILLE AUCTION

TUESDAY, FEBRUARY 1, 1983

5:30 P.M.

In Farmersville, 3 mi. east of Brownstown, Lancaster Co., Pa.

House lot from R2 Stevens + additions. 3 pc. red velvet livingroom suite; Maple bedroom suite; depression diningroom suite; kneehole desk & chair; portable Admirial color TV; nice breakfast set; 2 waterfall bedroom suites; 4 pc. grey bookcase bedroom suite; single & double rinse tubs; Empire bureau; utility cart base cabinet; double maple bed; double bedding; 9x12 linoleum rugs; roll away cot; floor & table lamps; 2 pc. antiqued china closet; jelly cupboard; French twin bedroom suite; Stevens 12 gauge pump gun; 22 pump gun model 270; sausage stuffer; sheep shearer; ice skates; 12 gal. crock; collection of creamers; luggage; books; everyday dishes & bedding; etc., etc.

This is only a brief list!

WE SELL ON COMMISSION

Call **JOHN J. RUTT**
354-5095

PUBLIC AUCTION

FARM EQUIP.; TRUCKS; FERTILIZER EQUIP.; HAY & OATS

THURSDAY, FEBRUARY 10, 1983

At 11 A.M.

(4 miles west of Tamaqua) between Rt. 309 & 61, first blacktop west of the Village of New Ringgold, turn N. off Rt. 895 onto blacktop north toward (Lewistown Valley) 4 miles just past Heisler's Dairy Restaurant, turn R toward Tamaqua for 2 miles to farm, Schuylkill Co., Pa.

FARM EQUIPMENT

Int. 1086 diesel tractor w/full season cab, WF, 3 pt., 1025 hrs.; Int. 1066 diesel tractor w/full cab, WF, 3 pt., overhauled 600 hrs. ago; Int. 1066 diesel tractor w/roll bar canopy, WF, 3 pt. 4,000 hrs.; Int. 1026 hydro diesel tractor w/roll bar canopy WF, 3 pt.; Int. 400 gas tractor w/triple valve hyd. hook up (nice cond.); Int. 350 diesel tractor w/fast hitch recently overhauled; Int. 2350 front end loader w/Quick Tach 7' & 8' buckets & pallet fork; Int. 700 six bot. auto reset pl. w/hillside hitch; JD 12' trailer type chisel pl; JD 16' transport disc w/duals; White 12' transport disc; Ontario 14x8 hoe drill on rubber; JD 7000 conservation (no till) six 30" row planter w/liq. fert. attach w/John Blue pump & weed spraying attach; JD (6600 Hillside) combine w/13' grain head & 643 six row corn head; Int. 650 forage harvester w/two r narrow & two r wide corn heads, also windrow pick up; (3) Badger 3 beater forage wagons w/roofs, two have tandem axles; Badger & NH pto hopper blowers; Int. 241 round baler; (2) portable rd. bale feeders; Hesston #30 stacker; NH 489 haybine; Arts Way grinder mixer w/scales; Int. 12' transport rotary hoe; N Idea 12' flail type stalk shredder; Webster tandem axle spinner fert. spreader w/stainless flr. chain; (6) 16' bale side wagons; (2) grain gravity wagons; Gilmore Tatge mod. 370-350 bu. pto badge grain dryer; Int. #200 Ration Rite silage mixer; Int. #275 tandem axle two beater manure spreader w/slurry pan; Badger 1500 gal. liq. manure tank spreader; (12) elev. metal calf nursing stalls; (2) Winpower 540 pto portable elec. generators 10,000 & 12,500 watts; pr. of 18:4x38" duals; 200 bu. oats; 50 ton Timothy hay.

FERTILIZER TANKS & TRUCKS:

(2) pr. 200 gal. each liq. tanks w/tractor mt. brackets; 400 gal. poly tank; (3) 1100 gal. poly tanks; 1973 Int. 1710 Cargo Star 23,000 GVW, 5 spd. w/2 spd. rear, w/1600 gal. two sec. stainless tank & pto transfer delivery pump; 1967 Ford F-600, 49,000 miles, 19,500 GVW-4 spd. w/2 spd. rear & 1500 gal. stainless tank & Homelite pto transfer delivery pump; 1955 Int. R-190 sprayer truck w/1000 gal. stainless tank, w/John Blue transfer pump & 40' stainless hyd adjusting boom; 6000 gal. five sec. steel fert. tank on 5th wheel trailer; (2) engine 2" fert. transfer pumps; herbicide mixing tank; 1965 Int. 220 tractor w/wet line recently overhauled; 1952 Int. R-190 tractor w/wet line; 1968 Ford F-100 stake body truck; 1964 Ford 12' stake body truck; 1973 Int. 1510 truck w/10' cattle body; 1954 Chev. chassis, 26000 GVW; 1967 Ford F-100 pick up; 40' van trailer w/sliding tandem axle; 40' tandem axle flat bed trailer; 22' tandem axle steel dump trailer; 15' 5th wheel dump trailer; 12' van storage body, plus many items too numerous to mention.

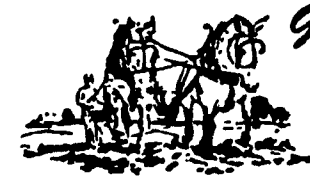
NOTE to Flying Farmers: Landing available at the Wild Cat airport, 2600' turf strip next to sale field.

Refreshments available

Terms - Cash or check, out of state checks require current bank letter of credit.

Ordered by **RAYNOR & JOAN LEIBY**

Conducted by Ralph W. Zettlemoyer Auction Co. Inc.
(215) 395-8084



Green Hills Auction

R D 1, Box 380
Mohnton, PA 19540
215/856-5000
215/678-3003

PUBLIC SALE

FARM EQUIPMENT - SHOP & HAND TOOLS

SATURDAY, FEBRUARY 19th, 1983

Starting 9:30 A.M.

John Deere 2840 Tractor, John Deere 1209 Haybine, John Deere 24T Baler, White 254 Disc., Oliver 5 bottom Plow, John Deere 1065A Running gear w/new hay sides, John Deere 965 Running gear w/McCurdy gravity box, Yetter Running Gear w/hay sides, New Idea 400 hay rake, New Idea 324 corn picker, Farmall N Tractor, 16 ft. Cardinal elevator, 24 ft. New Holland elevator (hay & grain) on rubber tires, Elevator on steel, Sileage drag, Black Hawk two row corn planter, fodder chopper, 3 sec. harrow, table saw, elec. hack saw, bench grinder, anville, large bench vise, tool boxes, Air compressor, Power mower, Antique freight wagon (rough), New Idea Ground driven manure spreader, lot Hand tools, garden tools, LOT ELECTRICAL SUPPLIES and many other items.

Lunch counter on premises

Samuel M. Ferraro
Auctioneer
Phone (215) 856-5000 or (215) 678-3003

PUBLIC SALE

OF FARM MACHINERY, PROVENDER & HOUSEHOLD GOODS

Location: 21 miles south of Lancaster; Take route 272 South to Little Britain, turn on Little Britain Road and left on Green Lane. Watch for arrows, Lancaster Co., Pa.

THURSDAY, MARCH 10, 1983

10:00 A.M.

IH-756 diesel new rubber w/fast hitch; IH-560 gas w/pully; IH-340 w/power steering; New Holland 770 forage harvester w/2 row 30 in. head and grass pickup head; New Holland #8 forage wagon w/2 beaters; N.H. #489 (1 yr. old); N.H. 315 baler w/thrower; New Idea heavy duty side rake; 2 rack wagons; Smoker 30 ft. elevator; IH semi mounted 3-16 in. bottom plow; IH direct fast hitch 3-14 in. bottom plow; IH-110 side mounted mower; Oliver 10 ft. transport disc; J.D. 9 ft. cultipacker (4 in. center); IH 3 section spring harrow (hyd. control); I.H. fast hitch 2 row corn planter; McCurdy corn drag; N.H. 512 manure spreader; IH two row cultivator.

1976 Chevrolet ½ ton Pickup w/Cattle racks

Skid loader trailer; rack feeding wagon for pasture; silage trailer for pasture; mounted circular saw for I.H.; tractor chains; front tractor weights; heavy duty push pole; 15 KW farm generator on trailer; Concrete mixer on wheels; fast hitch utility cart; fast hitch to 3 pt. adapter; 1,000 lb. platform scales; snow blade; wheelbarrow; 12 ft. Patz silo unloader; oil drums w/pumps; 275 gal. fuel oil tank; forks, shovels, hoes and other articles too numerous to mention.

TOOLS

225 amp. welder; 2 socket sets, 3/4 & 1/2 in.; 3/8 to 1/4 socket set; large box & open end wrench set; 5/8 in. heavy duty elec. drill w/stand; 1/2 in. & 3/8 in. elec. drill; elec. hand saw; large pipe threader; Toleda pipe threader set; large set of bolt bins well filled; pipe vice; heavy duty bench grinder; 2 Handyman jacks 3 & 4 ft.; 12 ton hyd. jack; 2x12 screw jack; ladder jacks; portable air tank; parts bins; large vice; anvil w/stand; shop stove and numerous other small tools.

App. 400 ton corn silage (may use unloader) 15 Ton of 1, 2 & 3 cutting alfalfa; App. 90 ton ear corn; 15 ton straw and 25 tons mixed hay.

DAIRY EQUIPMENT

4 Surge milkers elec. pulsation 50 lb. pails; SS buckets 16 qt., SS strainers; mastitis testing kit; Sunbeam cow clippers; Super 100 elec. fencer; barn silage & feet cart; milk cans; elec. heaters; barn clock; kant kic; Lavelle unloading motor.

ANTIQUES

Grain cradle & flail; RR spike puller; RR level; shad fishnet; bologna stuffer; victrola w/brass knob; sad & flat irons; iron manure hook; grain cleaner; wheel barrow; grain seeder; small seed planter; 2 cross cut saws w/tension;

Ithica 16 gauge featherweight pump gun (nearly new)

HOUSEHOLD GOODS

Frigidaire 40 in. elec. range; Frigidaire 11 cu. ft. ref. Frig. Clothe dryer; Whirlpool 20 cu. foot freezer (chest); elec. adding machine; console radio; elec. hair clippers; elec. fans; 7 pc. breakfast set; bedroom furniture; 3 folding tables; clothe racks; picnic table; chairs; rugs; Enterprize lard press; card file; cabinets; dishes; many song books; other books; book shelves; numerous other small items.

Sale by
MARTIN E. & ALMA J. RESSLER
717-529-2463

Kreider & Diller,
786-1545 464-2233

Lunch by Linville Hill Mennonite School

Auct. note- All equipment ready to go.
Sale order: Household items first; small wagon items & tools; hay, straw, corn; milking equipment; farm machinery.

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

SAT. FEB. 12 - 10 A.M. Public Sale of Farm Equipment, Hay, Straw, Grain, Household Items and Antiques. Located 5 mi. south of Quarryville, ½ mi. south of Black Rock Retreat, just east of Rt. 472 at southeast corner of Bartville Rd. and Pumping Station Rd., Colerain Twp., Lanc. Co., PA. Mrs. Jeanne Linton, Owner Diffenbach's Auctioneers

SAT. FEB. 12 - 1 P.M. Public Sale of Bred Gilts, Open Gilts and Boars Located at the Lebanon Fairgrounds. Arnold's Hog Sale. Harry Bachman, Auctioneer

SAT. FEB 12 - 11 A.M. Public Sale of Cattle and Machinery. Located at Maurice Mack Farm, 1½ mi. north of Montrose, just off Rt. 29. Steve and Elizabeth Kacuba, Owners Howard Visscher and Bill Mead, Auctioneers.

MON FEB 14 - 10 A.M. Public Sale of Farm w/Grain Storage Bins, Barn, Work Shop, House and Machinery. Located 6 mi. west of Spring Grove, PA, York Co, off Rt. 116 at Porters Hill Rd., south to 1st cross Rd, turn right ½ mi. to sale Gardner Bros., Farm, Owners. Blaine N. Rentzel Auctioneer.

WED. FEB 16 - 9 A.M. Public Sale of Full Line, like new Horse Drawn Farm Machinery, 8 Horses, Corn Silage, High Moisture Corn, 91 Holstein Dairy Cattle and Etc. Located 14 mi west of Danville, PA, 4 mi east of Turbotville off of Rt. 54, Montour Co. John S. and Sadie S. Zook, Owners. Fraley Auction Co.

THURS. FEB. 17 - Public Sale of Holsteins and Farm Machinery. Located in Catawissa, Columbia Co. Amos Lapp, Owner. Steve Petersheim, Auctioneer

THURS FEB. 17 and FRI. FEB. 18 - Two Day Sale of Farm Equipment Located at Horst's Machinery Lot, just east of Marion, PA Ralph W. Horst, Manager.

THURS. FEB. 17 - Public Auction of Truck & Vehicles located in Arlington, VA Vilsmeier Auction Co Inc. 215-699-5833

THURS. FEB. 17 - 9 A.M. PA Draft Horse and Mule Ass'n Sale Located at PA State Farm Show Bldg, corner of Cameron and McClay St., Harrisburg, PA Steve Andrew, Auctioneer.

THURS. FEB. 17 - 12 Noon Dairy Cow Sale of 50 Top Holsteins located in Landisburg, Perry Co, PA. Art Kling, owner Glick, auctioneer

FRI. FEB 18 - 9:30 A.M. Public Sale of Horses, 40 Head Holsteins, Farm Machinery and some Household Located in Centre Co, 1 mi. east of Aaronsburg, PA on the Barr Hollow Rd Ben Y. and Barbara Hostetler, Owner. Mark Glick, Auctioneer.

FRI. FEB. 18 - 10 A.M. Public Sale of Real Estate. Located approx. 2.5 mi. south of New Oxford or approx. 3.5 mi. north of Hanover, PA on Legislative Rt. No. 01059 just south of Irishtown on road leading to Robel Farm Dairy. C. David Redding, Auctioneer.

SAT. FEB 19 - 10 A.M Tack, 11 A.M Horses Consignment of all kinds of horses Located at the Belleville Livestock Market. Special Horse Sale

SAT. FEB. 19 - Public Sale of Farm Machinery and Cattle. Located ½ mi east of Honey Brook Amos K and Lydia B. Blank, Owners. Steve Petersheim, Auctioneer

SAT. FEB 19 - Consignment Sale of Farm Machinery located at 133 Rothsville Station Rd, Lititz, PA Sale by Binkley & Hurst Bros. Inc. C.H Wolgemuth and Blaine Rentzel, Auctioneer

SAT. FEB 19 - 9:30 A.M Public Sale of Household Goods and Antiques Located at Brickerville Fire Hall, off Rt. 322 in Brickerville, Lancaster Co., PA. Raymond Edwards, Owner Frank and Paul Snyder, Auctioneers

SAT. FEB 19 - 9:30 A.M Public Sale of China, Glassware and Tin Items Located along Rt 272, across from Wickes (between Ephrata and Reamstown), Ephrata Twp., Lanc Co., PA Dorothy R Summers, Owner. T. Glenn and Timothy G. Horst, Auctioneers

MON. FEB. 21 - Public Sale of Farm Equipment and Tools. Located at R D. 1163 Bethel, Pa. Daryl G. and Doris E. Martin, Owners John E and Paul E. Martin, Auctioneers

TUES FEB 22 - Public Sale of Cattle and Farm Machinery Located 2 mi. east of Strasburg. Jonas E. Fisher, Owner. Steve Petersheim, Auctioneer.

PUBLIC SALE
DATE CHANGE
Was Feb. 19
Now is MARCH 12
JD 4000 Diesel NH Diesel skid loader
Watch For Full List
Owners
AMOS K. AND LYDIA BLANK
Auctioneer - Steve Petersheim

SPECIAL HORSE SALE
Belleville Livestock Market
Belleville, Pa.
SATURDAY, FEBRUARY 19
Tack at 10:00 A.M.
Horses at 11:00 A.M.
Selling all kinds of horses and mules on consignment

Featuring a load of shipped horses from Steimer Bros.'s, a load from Mel Kolb, some mated teams, a load of young horses from John Dilling, M.L. Bowersox and other local shippers and farmers.

Make your consignments to this sale. We will also have buyers for meat horses.

Restaurant Open

Mark Glick, Auctioneer
Belleville Livestock Market, Inc.
Phone (717) 935-2146

PUBLIC SALE
OF ANTIQUES, TOOLS, GUNS & MUSICAL INSTRUMENTS
DENVER FIRE HALL
SAT. FEBRUARY 5
sale time 9:30 a.m.

Sale to be held at the Denver Fire Hall located on Locust St., Denver, PA.

Directions - Exit 21 Pa. Turnpike S. on Rt. 272 to Reamstown - Turn right at light. Go to Denver. Turn Rt. at 1st light 5 blocks to Locust St.

ANTIQUES

Cherry Drop Leaf Table; Oak Dropleaf Table; Oak Dropleaf Desk; Spool Cabinets; Brass Double Bed; Primitive Beds; Oak Wash Stands; Victorian Love Seat; Wicker Chair; Wicker Childs Rocker; Many Press Back, Cane Seat, Pin Ball Machine; Penny Machine; Pie Safe; 2 BRISTOL Weight Clocks; Tin Cash Register with a Marble Top; Old License Plates; Piano Stool; Oak Hall Table; Oak Candy Case; Oak Chest of Drawers with Dropleaf Desk; Kerosene Lamp; Hooked Rugs; Braided Rug; Ice Tongs; Agate Coffee Pots; Tinware; Wooden Corn Planter; Tin Fishing Lamp; Wooden Chests; Brass Sleigh Bells; Schoolmasters Bell; HUBLEY Toys & Guns; BUGGY Robe; BISQUE Doll; Old Dolls; Butter Scale; Iron Kettles; Iron Banks & Animals; Old Milk Bottles; MOXIE, READING Beer, Etc.; Pocket Knives; Pocket Watches; Comic Books; Old Trains & Cars; Reverse Paintings; Currier & Ives Prints; Piano Rolls; Crank Phonograph; GERMAN Door Locks; Old Padlocks; 3 Copper Stills; Axes; Baskets; Butter Churn; Coffee Grinder; CONESTOGA WAGON Jack Dated; Bennington Spittoons; Crib Quilt; Old Quilts; Beer Trays; Hunting & Fishing Licenses; Ironstone China; Depression & Other Old Glass; Avon Bottles; Crocks & Jugs; Oak Childs Chairs; Advertising Tins; Oak Cradle; Bone China; English China.

MUSICAL INSTRUMENTS; RARE BANJO MANDOLIN; Violin; Guitars; Brass Trumpet; Holton Clark Trumpet; Set of Drums; Brass Bugle; Dulcimer.

GUNS - RANGER 12 Ga. Dbl. Barrel Shotgun; REMINGTON 22 Cal. Semi-Automatic; HAMILTON No. 27, Single Shot 22 Cal. Rifle; Darrenger; Old Powder Horn.

TOOLS - CRAFTSMAN Table Saw; Circular Saw; Sabre Saw; Drills; Sander; Socket Sets; Wrenches & Many Other Tools; 1 Horse Sleigh.

Terms by:
LARRY E. BEAVENS
T. Glenn Horst, Auct. 859-1331
Timothy G. Horst, Auct. 738-1245

Carroll's Sales Co., Inc.
PUBLIC AUCTION
TRACTORS, TRAILERS, DOZERS, TELEPHONE VANS & CARS, CONSTRUCTION EQUIPMENT, TRUCKS & CARS
FRIDAY, FEBRUARY 11, 1983
11 a.m. Sharp
Everything Sells High Bidder
Everything Sells "AS IS"
LOCATION: Carroll's Sales Co., Inc. Lot. Route 13, Felton, Delaware, southbound. One mile north of Felton red light. 10 Miles south of Dover.

TRACTORS & TRUCKS

1979 GMC Astro, 1980 GMC G Wheel, 1978 Peterbilt, 1974 IH Cabover, 1975 IH Cabover, 1975 Chev 90, 1966 Chev 80 Dump Truck 1979 F-150, 1979 Chev 3/4 Ton, 1972 Mack

TRAILERS

1950 Low Boy, 1974 Gindy 40' Flatbed (2), 1973 Fruehauf 42', 1975 Fruehauf Reefer 40', 1975 Fruehauf 42', 3 Ton Blacktop Roller Trailer, 38' Flatbed 1955, 1970 Continental 40' Flatbed, 1970 Trailmobile 40' Flatbed, Two 1969 Fruehauf 40' Flatbed, 1956 Fruehauf Van 35', 1968 Brown Van 40' Two 1967 Trailmobile 40' Flatbed

TELEPHONE VEHICLES

10 15 Units, Vans & Sedans

DOZERS — CONSTRUCTION EQUIPMENT

1968 Buffalo - Springfield 8 - 12 Ton Tandem Roller, Sweepster Hyd Front End Tractor, IH Bulldozer w/cargo Winch, D 2 Cat Bulldozer, 1975 MF 40 Ind Loader w/cab

OTHER

2 V Plows, St Plow, 2 Bush Hogs, Lincoln Welder, 2" Marlo Water Pump, Joy Battery Charger, 2 Steam Jennings, Fuel Tank w/pump 1960 TD 18 Dozer

* Note: Other items being consigned daily, plan to attend our sale

INSPECTION. Day of Sale

TERMS: Complete payment sale say CASH, certified check cashiers check, or travelers check or money order Company or personal check will only be accepted by a good bank letter of guaranteed payment Example Dear Mr Carroll Mr _____ is a good customer of our bank for _____ years We will guarantee payment of checks written on his account up to _____ dollars for purchases at your auction on Feb 11, 1983 All guaranteed checks are to be made payable to Carroll's Sales Co Inc

AUCTIONEERS
Harry Barrett, Jr.
Anthony B. Carroll
Chester Lee Carroll

Not Responsible for Accidents

AUCTION
WOOD SALE
SATURDAY, FEBRUARY 5, 1983
Commencing at 11 A.M.
Located: 5 miles East of Penn Yan, 1 mile South of Dresden, Route 14
46 HOLSTEINS 46

30 milk cows - 3 close at sale time - balance in various stages of lactation - 5 bred heifers - 11 young stock. Well bred herd, offsprings of such good bulls as Milestone - Willow - Jemini - Elate - Rock - Moonshot and Moneymaker.

TB and blood tested, Pregnancy checked, Shipping fever shots.

MACHINERY

600 Dodge truck with hoist and tag axle; 885 Case with loader (like new) - 5000 Ford with Turbo and duals - 930 Case with duals - MM "Z" - 5 bottom 16" Case plow with hyd. resets - 4 bottom 16" Case plow with hyd. resets - Case 630 combine - 12' disc - 12' cultipacker - 16' drags - J.D. 4 row planter with applicators - 2 Ontario grain drills - 250 gallon sprayer - 2 flail choppers - 7' N.I. cut conditioner - N.H. baler - 2 gravity boxes with running gears - 8 ton Gehl self unloading wagon 3 beater - 1 row N.I. corn picker - N.H. chopper with corn head, pickup head and direct cut head - Gehl feed grinder - 12' chisel plow - N.I. 6 bar rake - Mulkey 32' elevator - Allied 40' 7" grain auger - alternater - NH 519 spreader - 4 hay wagons - 14' wood float - hyd. cylinders - seed corn - 15' 4" grain auger - 16' pipe elevator - chains - lumber - other small items.

Quantity of straw, corn silage.

TERMS: Cash or good check. Out of state checks certified.

Lunch by Benton Fire Dept.

VICTOR AND DONALD WOOD
Owners
Bob Allen Auctioneer and R.E. Broker
607-292-3180

260 acre farm for sale with or without 660 foot of lake front. Contact Bob Allen, Dundee, N.Y. 14837. Phone 607-292-3180

ABSOLUTE AUCTION
Located at Farm, 4 Miles North of Odessa, Dela. on U.S. 13 (Southbound Lane), 2½ Miles South of St. Georges Bridge (Farm sold, owners moving to Florida)
SATURDAY, FEBRUARY 5, 1983
At 10:30 A.M.

FARM MACHINERY: '79 Massey Ferguson 750 Diesel Combine w/Mud Hog, A/C Cab, (1181 hrs.) with 16' Grain Table, MF 1163 Corn Head 30" 6 row, MF #44 Corn Head 38" 4 row; '80 Int'l. 3388 Diesel Tractor 2 + 2 A/C Cab (1049 hrs.); Int'l. 826D Hydrostatic Tractor; Int'l. 574 Diesel Utility Tractor; John Deere 4430 Diesel Tractor w/AC Cab; J.D. #1210 Grain Cart; J.D. #340 Offset Disc.; J.D. #210 Rotary Hoe 20'; J.D. #7000 6 row Planter w/Fert. box, insecticide Auger - No-till plateless; J.D. #201 Transport Trailer; Int'l. #510 Grain & Soybean Drill; Brillion: 15' Pulvi-mulcher, 16' Transport Cultipacker, 6 Row 30" Rear Cultivators;...Int'l. 15' Chisel Plow, Int'l. 4 x 18 Roll-over Plows, Two Int'l. #130 Manure Spreaders; Int'l. Flail Cutter, Int'l. #10 Sub-soiler 5 prong; Int'l. Mounted Wheel Mark Remover; Rhino Road Scraper, Two Flat Wagons; Two Low Implement Trailers; Two Metal Funnel Grain Wagons, 2 & 3 Section Drag Harrows; Set of 34x18 Duals; MF Sickle Mower, Etc., Etc....

TOOLS-PARTS-MISC.: Air Grease Gun, Quick Couplers, C.B. Radios, Ditch Pump, Two Wheel Work Shop Trailer, Pickup Tool Boxes, Fuel Tank & Pump & Light; Hyd. Cylinders; Cables; Jacks; Power Bank Saw; Roller Chain; Portable Heater, Air Compressor; Pipe Fittings, Plow Shears; Replacement Parts, Wheel Weights, Truck Tires; Seed Corn; Pile of Lumber; Pickup Bucket Seats; Roll-over Fork Lift Turn Table; Rope Applicators for Weed Control; Floor Jack; Toro Rototiller; Snowmobile Parts; Etc., Etc....

POULTRY & IRRIG. EQUIP.: Auger Overhead Feeding System (320' & 150' & 150'), 4 Doz. Mark 7 Water Fountains; 8 Doz. Turkey Feeders; 120 One Gal. Plastic Waterers; 4 Large Fans; 24 Gas Brooders, Chicken Wire, Platform Scale, De-beaker, Hand Sprayers, Trough Feeders, Pallets, Cardboard Turkey Boxes, Victory Cash Register...3 Sections 6" PVC Pipe; Six 40' Alum. Sections 5", Sprinklers, Reducers, Irrig. Parts, Etc....

GRAIN DRYER & STORAGE: "Sells as complete unit - 2 years old" 1000 Bu. Wet Tank, Farm Fan #8 Dryer Propane (120 Bu per Hr.), 7000 Bu. Storage Tank w/Drying Floor & Fan; Butler 13,000 Bu. Storage w/Floor & Fan (Grain Monitoring Temp. Cables); 60' Wet Tank Auger; 75' Discharge Auger; Two 25' Grain Augers; Transport Auger, Circuit Control Box (3 phase 440 elec.) Removal Time. Also - Winnebego Gooseneck 16' Three Axle Hyd. Dump Grain Trailer....

HOUSEHOLD & MISC.: Metal Yard Chairs; Wood Outside Yard Set; Clothes Dryer, Office Refrigerator; Deck, T.V., and Misc.

NOTE: Sale starts at 10:30 a.m. on household, poultry equip., tools & misc. irrig. equip., small farm equipment, large farm equipment, tractors, combine, grain cart & trailer, grain dryer & storage...Early LUNCH served - Register early for Buyer's Number.

INSPECTION: Fri., Feb. 4 from 10 til 3 P.M. Sat. Morning from 8:00 A.M.

F. W. HAAS & SONS, INC.
U. S. 13 (Dupont Hwy.) 4 Miles North of Odessa, Middletown, Dela.

HARRY RUDNICK & SONS, INC., Sale Managers
Joe Rudnick, Auctioneer of Galena, Md.
(301) 648-5601

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

TUES FEB 22 - Public Sale of Tractors, Farm Machinery. Along Meadow Valley Road near Ephrata, PA Sale by Edwin Horning Horst and Rentzel, Auctioneers

TUES FEB. 22 - 10 A.M. Public Sale of Dairy Cows, Farm Equipment, Hay, and Corn Located approx. 1 mi southwest of Cambridge, just off Churchtown Rd , Lancaster Co. Terms by David B. and Anna King. Horning Farm Agency, Inc

TUES. FEB 22 - 11 A.M. Complete Dairy Herd Dispersal of 40 Holsteins, Dairy Equipment and Farm Machinery located in York Co 3 mi south of Dillsburg off PA Rt. 15 at the Ice Cream Barn on Century Lane, first farm past Franklin Twp. building. Robert Lehman, owner. Kling's Auction Service

FEB 23 - Annual Winter Auction at Ag Industrial Equipment, 1207 Telegraph Road, Rt 273, Rising Sun, MD

WED FEB. 23 - Public Sale of Valuable 73 Acre Farm located along Rt 897 at Lancaster and Lebanon Co line between Cocalico and Kleinfeltersville, PA Terms by the William Dinger estate H H. Leid auction service

WED FEB 23 - 9.30 A.M Ben S Fisher's Consignment Sale Located in the Village of Center, 3 mi. west of Loysville off Rt. 274, Perry Co , PA C H Wolgemuth, Auctioneer

THURS FEB. 24 - Public Sale of Farm Machinery and Household Antiques. Located 2 mi. east of Intercourse. Emanuel Zook, Owner. Steve Petersheim, Auctioneer.

THURS. FEB. 24 - Annual Winter Auction at Ag Industrial Equipment, 1207 Telegraph Road, Rt 273, Rising Sun, MD.

THURS. FEB 24 - 9 A M. Public Sale of Horses, 21 Holsteins, Farm Machinery and some Household Located in Mifflin Co , 3 mi. west of Milroy, PA on Back Mt Rd. John S and Dena Yoder, Owners, Mark Glick, Auctioneer

THURS FEB 24 - 9.30 A M Public Sale of Farm Equipment and Tools Located along Rt 322 2¼ mi west of Blue Ball, Lanc Co PA For the Rufus K Sensenig estate. Auctioneers- Lamar Sensenig and Paul Horst

FRI FEB 25 - 7 P.M Horse Sale at New Holland Sales Stables, Inc , 12 Miles East of Lancaster, Pa just off Rt. 23, New Holland, Pa., For more information contact Abe Diffenbach, Mgr 717-354-4341 or Norman Kolb 717-397-5538

FRI FEB. 25 - 9 A M Public Sale of New Used and Abused Farm Equipment, Tools, Antique Tractors and Engines. Located 10 mi. east of Lancaster between Leola and New Holland, turn off Rt 23 on S Groffdale Road, turn left on Musser's School Road, Lancaster Co., PA. Terms by Elias S. Beiler Auctioneers - Robert E. and Jeffrey R. Martin 656-7770, Frank Steller and Blaine Rentzel.

FRI FEB 25 - 1 30 P.M. Dairy Cattle Sale. Penns Valley Livestock Auction, Centre Hall. Ron Gilligan, Auctioneer. 814-364-9096

FRI. FEB. 25 - 10 A.M. Public Sale of Holstein Dairy Cattle, Farm Machinery and some Household. Located in Centre Co., 3 mi east of Aaronsburg, PA on Rt 45, turn south on Quarry Rd. Israel S. and Rebecca Yoder, Owners. Mark Glick, Auctioneer

FRI FEB. 25 - 12 Noon. Public Sale of Modern Farm Equipment Located in York Co , PA, 3 mi. east of East Berlin in Rt. No. 234 thence turn south onto Church Rd., ½ mi , 2nd farm. Ralph E Bentzel, Owner Clair R. Slaybaugh, Auctioneer.

SAT FEB 26 - Public Sale of Farm Equipment and Household Goods Located along Bridgeville Rd., east of Goodville. Aaron and Mary Shirk, Owners. Nevin Martin and Paul Hurst, Auctioneers.

SAT. FEB 26 - Public Sale of Farm Machinery. Located 2 mi. west of Honey Brook. Robert Campbell, Owner Steve Petersheim, Auctioneer.

SAT FEB. 26 - Public Sale of Farm Equipment. Located along Cloverleaf Rd just off Rt. 283 at the Rheems-Elizabethtown exit, near the Norlanco Medical Center. Sale by Harlan M Hoover Raymond Miller and Rufus Geib, Auctioneers

SAT. FEB. 26 - Public Sale of Farm Equipment Located on Lime Rock Road, ½ mile west of Lititz. Sale by Howard O. Martin E.M. Murray and Associates, Auctioneers.

CONTRACTOR'S EQUIPMENT AUCTION
ESTATE OF CHARLES G. MARTIN
SAT. FEB. 5
10:00 A.M.
Branchport, (Yates Co.) New York

Auction to be held at the shop on the Guyanoga Road, 2 miles north of the intersection of rtes. 54-A and 54 at Branchport, or 7 miles south of rte. 364 midway between Potter and PennYan. Follow auction arrows!

To settle the estate, selling without reserve the following list of well maintained tools and equipment. To wit:

MACHINERY: 1976 I.H. 3500 series A, diesel backhoe, hydrostatic transmission, 18 ft. 6 in. hoe, plus 1½ yard front loader, bucket; 1972 I.H. 100 series C, diesel trac loader, power shift, 5 roller track frame, 4-1 bucket with teeth; MATCHED PAIR (1972 and 1971) Chevy. C-60 dump trucks, 366 V-8, 5 sp. trans. with 2 sp. axle, power steering, 9:00 - 20 rubber, with Garwood 3-5 box over 15 ton hoists; 1979 Chevy. 20, 4 x 4 pick-up, 27,449 miles, auto. trans., excellent condition! Diamond 3 in 1, 4-way "V" snow plow attachment; 1953 Austin Western highway maintainer with 13 ft. power shift blade, wing and scarfire; 1958 P&H shovel with 5/8 yd. bucket, live boom and live travel; 3 axle equiment trailer with 8 x 14 ft. deck, electric brakes; Farmall Super H, n.f.e. tractor; York 8 ft. stone rake; Homemade 2-3 ton roller; 1954 Chevy. oil truck; Roads Machinery Corp. blacktop spreader; 2 stone spreaders; Complete H-3 trac loader in parts; old (as is) 30 ft. stripped camper trailer; pr. trailer axles; Note: Machinery in good state of repair!

ACCESSORIES: 23 brand new 9:00-20 front and rear truck tires!; 8 new 7:50-16 truck tires; various new and used 14:5 12 ply trailer tires; 3 spare (used) 14:00 - 20 tires on wheels for maintainer; 48 sections (960 ft.) new concrete reinforcing rod; large quantity of new hardened bolts; 7 cases of hand cleaner; 2 new rolls reinforcing wire; new 100 ft. roll 36 in. galvanized wire mesh fence; 13 5-gal. pails of DuVarde water proofing; new roll 1¼ in. plastic water line; new set of 28 in. tractor tire chains; new roll 1½ in. PVC plastic tubing; various sizes of steel solid stock in length; various angle and flat steel stock in length; various new oils; cast sewer pipe with single and double hub ends; 4 hole 14 x 14 title distribution boxes; 3 new 12 in. x 20 ft. sluice; 12 in. x 10 ft. and 12 in. x 12 ft. new sluice; 2 6 in. x 20 ft. weeper pipes; sluice pipe couplers; 3 pallets dry well blocks; 2 new rolls 4 in. and 2 new rolls 6 in. plastic field tile; various 4 in. sewer and leach pipe; 1 pile each of #1, 1A, 2, and 3 stone; large pile of screened rock; 5 ft. scraper blade and 2 extra buckets for backhoe; pipe fittings; plus a large quantity of parts and accessories to variours equipment to be sold just after the appropriate machine!

SHOP TOOLS: Porta power outfit; 2 20-ton hydraulic jacks; Rigid ¼ in. to 2 in. pipe die set; homemade heavy duty hydraulic press; barrel pumps; new air-accetylene torch hose; good aluminum pipe wrenches; 2 1-in. air impact wrenches and sockets; wrenches; air ratchets; large set bolt cutters; several wrenches; 3/4 in. and 1/2 in. electric drills; Allen "Allenyzer" engine tune-up machine; homemade tire changer; stationary air compressor; commercial snake; 2 app. 60 gal. pick-up fuel dispenser tanks; miscellaneous small tools!

A good clean sale. Everything sells to the high bidder! Much of the sale will be held inside! Lunch available on site.

TERMS: All settlements in cash or check on sale day only! Proper I.D. will be required of each bidder! Nothing shall be removed until settled for!

Owned by the Estate of Charles G. Martin
Onalee Martin, Executrix.

Auction Conducted by
PIRRUNG AUCTIONEERS, INC.
Wayland, New York
716-728-2520
Licensed-Bonded-Insured-Reputable since 1948!

1ST ANNUAL LANCASTER FARM TOY AUCTION, SHOW, AND SALE

April 8 - Auction Starts 7:00 P.M.
April 9 - Show & Sale 9:30 to 4:00

At: Willow Valley Farms Inn, 3 miles south of Lancaster City on Rt. 222.

For information about show and toy consignment, write: Farm Toy Supply, 3 Fisher Terrace, Willow Street, Pa. 17584.

PUBLIC AUCTION AT GOODS AUCTION
111 N. Maple Ave.
Leola, Pa. 17540
Hay - Straw - Corn
Every Wed. at 12:00 Noon

Farm Machinery First and Third Wed. of Each Month. Starting at 9:00 AM on Tools and Hardware. 12:00 Lawn and Garden Equipment 1:00 on Farm Machinery

NOTICE

Nothing unloaded day of sale except machinery and large equipt. All small items must be brought in and sold off the trucks.

No Out of State Checks
Selling with 5 Auctioneers

Good's Auction

CONSIGNMENTS WELCOME — CONSIGNMENTS WELCOME

PUBLIC SALE
FARM EQUIP. & TOOLS & DAIRY EQUIP.
THURSDAY, FEB. 10, 1983
9:30 A.M.
Kirkwood, Pa. South East
Lancaster County

LOCATION: Turn east off Rt. 472 at Kirkwood Post Office, go to 2nd road right Cooper Dr., ¼ mile to sale.

FARM EQUIP. & TOOLS

New Holland 455 & 456 mowers, Int. 56 - 4 row corn planter w/insecticide, (2) J.D. 494 Planters (1 has insecticide), New Idea 752 Conditioner, New Holland 404 Conditioner, J.D. K.B.A. 24 & 20 Blade Disc, Oliver 1 & 2 Bottom Plows, New Holland 55-56-258 Rakes, Vicon Ground Drive Seeder, J.D. 9 ft. Spring Harrow, 8-9-12 ft. Cultipackers, riding culti., auto turn cart, plow packers, Fox Super 1000 harvester, Gehl 600 Harvester - Gehl 2 row wide head & also a 2 row narrow head, J.D. 999 corn planter w/plateless units, 1 set of plateless units, flat wagon, stalk shredder, 2 way Salkie plows, J.D. 2 bottom trailer plow, Pto & Ground Drive Corn Binders, 750 New Idea Crimper, walking plow, alfalfa drill, New Idea tobacco planter, J.D. #4 mower, I.H.C. #9 mower, Papu Silo Filler, New Idea 4 Bar rake on steel, Heavy Duty Lincoln welder - 300 amp. 1 PTO driven, saw buck, drill press, 750 x 20 tires & wheels, single & double trees, Int. ground drive seeder, barrel wood stove, mower knives, plow parts, corn planter parts, disc & spring harrow parts, bolts, etc.

DAIRY EQUIP. & ETC. OF ELAM STOLTZFUS

New & used milk pails, used dumping station, Sputnick new vacuum pumps, cooling compressors, feed carts, air tools, hydraulic motors & pumps, hydraulic unit for elevator, forks, shovels & brooms.

AUCTIONEER'S NOTE: This is a consignment sale & this is only a partial listing of what we will have on this sale.

TERMS: CASH OR GOOD CHECK
FULL SETTLEMENT SALE DAY.

Sale conducted For:
SAMUEL K. ZOOK
Kirkwood, Pa.
R.D. #1 Box 89

Auctioneers:
Blaine N. Rentzel
717-764-6412
Clyde Wolgemuth
717-665-5664

PUBLIC SALE
VALUABLE REAL EASTATE
145 ACRE FARM WITH BUILDINGS

To be held on sight located aprosimately 2.5 miles South of New Oxford or approximately 3.5 miles North of Hanover, Pa. on Legislative Route No. 01059 just South of Irishtown (on road leading to Robel Farm Dairy) on

FRIDAY, FEB. 18, 10:00 A.M.

The undersigned Sheriff of Adams County, Pa. IN PURSUANCE of a Writ of Execution, Judgment No. 82-S-657 issuing out of the Court of Common Pleas of Adams County will expose at Public Auction the Following described real estate.

All that tract of land lying and being in Oxford Township, Adams County, Pa. containing approximately 145 acres, having approximately 2500 ft. road frontage on LR-01059 and approximately 2000 ft. frontage on the Conweago Creek.

This tract is improved with a large 40' x 65' (L) shaped 2½ story brick & stone home, a 76' x 52' frame bank barn with metal roof, a 12' x 11' cement-block milk house and a 132' x 30' cement block storage building with an attached 30' x 30' apartment. Building has metal roof, 3-12' x 10' overhead doors which is cemented area and balance is open storage area.

AUCTIONEER'S NOTE: This farm is located only minutes from all city facilities, has a very nice location and many possibilities for cattle, horses or general farming. Plan to attend sale of this farmstead.

Terms of Sale - 20% down on day of sale. Settlement on or before March 14, 1983. Other terms at time of sale.

Seized and taken into execution as the property of Nancy Johnson Albright, (formerly Nancy E. Johnson), William R. Johnson, and Lawrence V. Young, Trustee in Bankruptcy of Debtor William R. Johnson and to be sold by me.

BERNARD V. MILLER
Sheriff of Adams County
C. David Redding, Auctioneer
1085 Table Rock Road, Gettysburg, Pa.

PUBLIC SALE
OF TRUCK/VEGETABLE FARMING EQUIPMENT, TOOLS & 12'x24' BUILDING
SATURDAY, FEBRUARY 5, 1983
(Rain/snow date Feb. 12th)
11:00 A.M. Sharp

Located at 208 Kidwell Avenue, Centreville, Md. Signs posted.

Massey-Ferguson #230 Gas Tractor (excellent condition), with Two-bottom 14" plows, Farmall #100 Gas Tractor (good condition), Gravley garden tractor with mower & tiller, 3-pt. tractor hoist boom, 3-pt. tractor scoop, horse scoop, 3-pt. 6 ft. scrape, 3-pt. John Deere Rotary mower, 3-pt. 8 ft. Springtooth, 8 ft. Cultipacker, Two-section drag, Rubber-tired wagon, John Deere pull-planter #190, 2-row, Old J.D. planter for parts, 3 pt. plow for opening leads, 3-pt. one-row cultivator with plastic roller & disc attachment, 48" wide roll black plastic, Reem Hot Air gun-type Furnace 95,000 btu, 275-gal. oil tank, plastic planter pots, good 5/8 baskets, 3-pt. Champion potato digger with new chain, John Deere potato pull-planter, 5-hp leaf mulcher, 3-pt. Carryall frame, Pump & spray barrels with boom, 2" & 1¼" plastic pipe, Junior planter, two sets truck chains, Clover seeder, axes, nails, bolts, pipe wrenches, dies & reamers, bolt cutters, hand saws, adjustable wrenches, wooden tool chest, garden hoses, medium-size mortar box, grease gun, wheel barrow seeder, 2" suction hose for pump, set of Fairbanks-Morse barn scales, set of market scales, crowbars, grindstones, 200-ft/100-ft/50-ft. cords, ½", 3/8", ¼" drills, two portable jacks, disc grinder, 7" electric saw, brand new Echo chain saw, commercial furnace cleaner, bench vice, 24' extension ladder, 10-ton jack, air grease gun, Gasboy hand pump, window fan, meat saw, milk cans, corn & butterbeans seed, lot of hand garden tools, two 1-horse cultivators, 1-horse plow, 3-horse plow, and many things too numerous to mention.

Terms - Cash
Register for Buying Number

Owners:
MR. & MRS. WILTON IRELAND
Auctioneer: Col. Ross Rhodes
1-301-556-6261

Public Sales Register

Closing Date - Monday, 5:00 P.M. of each week's publication

SAT. FEB. 26 - 9 A.M. 9th Annual Public Sale of Strasburg Fire Co. Located in Strasburg, Pa. Elvin Siegrist, Auctioneer.

SAT. FEB. 26 - 1 P.M. Public Sale of Bred Gilts, Boars and Open Gilts. Located at the farm in Whitehall. Calvin H. Lazarus and Sons. 215-799-3375.

SAT. FEB. 26 - Public Sale of Farm Equipment. Located 1 mi. south of Hustontown, PA. Tom Taylor, Owner. Ralph W. Horst, Auctioneer.

SAT. FEB. 26 - 10 A.M. Public Sale of Equipment. Located at Hunter's Sale Barn, Inc., Rt. 276, Rising Sun, MD.

SAT. FEB. 26 - 9:30 A.M. Public Sale of Farm Machinery and Household Goods. Located at the Heisey farm, 3 mi. west of Centre Hall, PA off Rt. 45. Ron Gilligan, Auctioneer.

SAT. FEB. 26 - 10 A.M. Consignment Sale of Work and Driving Horses by Keister's Middleburg Auction Sales, Inc., Rt. 555 3 miles East of Middleburg, 5 miles west of Selinsgrove, Pa. Don and Walt Keister, Owners; Ray Long and Dave Imes, Auctioneers

SAT. FEB. 26 - Construction Equip: Consignment Sale located in Essington, PA. Vilsmeier Auction Co. Inc. 215-699-5833

MON. FEB. 28 - Inventory Reduction Auction of New and Used Farm Equipment and Used Lawn and Garden Equipment (no consignments) by Adamstown Equipment, Inc., Adamstown, Pa. John E. and Paul E Martin Auctioneers

MARCH

THURS. MAR. 3 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS. MAR 3 10.00 A.M. Public Auction of Outstanding linemodern John Deere Farm Equipment and other models located along Anchor Road, Box 195, Washington Boro, Pa Sale by Mr. & Mrs. J. Wilmer Eby; Auction conducted by the J. Omar Landis Auction Service, Jay M. Witman and Omar Landis, Auctioneers

THURS., MARCH 3 - Public Sale of Farm Machinery, Ford Tractors, Harvestore Silos, M Gleaner Combine, Grain Bin and Tools. Located 3 mi. west of Gap. Roman and Fannie Beiler, Owners. Steve Petersheim, Auctioneer.

THURS MARCH 3 - 10.30 A.M. Public Sale of Farm Equipment. Located at 306 E. Lexington Rd., Lititz, PA Mark N. Good, Owner. Sensenig, Auctioneer

THURS. MARCH 3 - 11:30 A.M. Public Sale of Farm Machinery Located 3 miles south of Willow St on 272 turn right on Lionstown Rd. to 1st Y turn left follow approx. 1 mi. to sale, approx. 6 mi. south of Lancaster. John McMickhel, Owner. J. Everett Kreider, Auctioneer.

FRI. MAR. 4 - Public Sale of Farm Equipment at New Holland Sales Stables, Inc., New Holland, Penna.

FRI. MARCH 4 - 9 A.M. Consignment of all kinds of machinery. Located at the Belleville Livestock Market. Annual Spring Machinery Sale

FRI. & SAT. MAR. 4 & 5 10 A.M Sharp. Two Day Annual Consignment Sale - Public Sale Donald Scheese Farm, RD 3 Box 288, Elmer, NJ 08318 For info call 609-455-3462 or 609-769-4025. Auctioneers-Blaine Rentzel and Clyde Wolgemuth

FRI. MAR. 4 - 9:00 A.M Public Sale of Farm Equipment at New Holland Sales Stables, Inc., 12 miles east of Lancaster, Pa. at New Holland, Pa. For more information contact Norman Kolb or Abe Diffenbach 717-354-4341

SAT MARCH 5, 1983 Bart Township 19th Annual Fire Co. Sale

SAT MARCH 5 - 9.30 A.M Public Sale of Farm Equipment, Household Goods and Antiques Located 2 mi. north of Bird-in-Hand, turn off Rt 340 on Beechdale Rd. to Stumptown Rd., turn right, 1st road left on Millcreek School Rd. Elvin W and Lucinda M. Groff, Owners Robert E. and Jeffrey R Martin and Frank Steller, Auctioneers

SAT. MAR 5 - 10 A.M. Public Sale of Farm Equipment and Household Goods. Located approx. 3 mi. north of Morgantown, along Rt. 10 Caernarvon Twp., Berks Co., PA Terms by Eli Zeiset. Horning Farm Agency Inc.

SAT. MARCH 5 - 10 A.M Public Sale of Farm Machinery and Tools. Located at the Robert McGill Farm, in Clinton Co., off Rt 80, 2 mi. east of Clintondale, PA. Ron Gilligan, Auctioneer

SAT. MARCH 5 - 10.30 A.M Public Sale of Modern Farm Machinery Located in Centre Co., 2 mi. west of State College, PA on Rt. 26, turn east on Whitehall Rd at red light Mr. and Mrs Ralph L Homan, Owners Mark Glick, Auctioneer

SAT MARCH 5 - 10:30 A.M. Public Sale of Farm Machinery Located 2 mi south of Hamburg, NJ, from Hamburg, NJ take Rt. 23 south 1 mi at fork by Franklin sign bear right, them make 1st right on Scotts Rd go over Rail Rd., 1st farm on right Clair Farber, Owner. Fred R Daniel, Auctioneer.

SAT. MARCH 5 - 10 A.M Public Sale of Tractors and Farm Equipment Located in New Berlin, PA. John K Hauck Estate (Implements Dealer) Donald F Heggenstaller, Sr., Auctioneer 814-349-5387

SAT. MARCH 5 - 9 A.M Public Sale of Equipment Located from I 91 from either direction, take Exit 47E Rt. 190 East, 6 mi, left on Hurlburt Rd, left on Four Bridges Rd Lachance Farms, Inc Sam Berkowitz and Fred McGhee, Auctioneers.

David H. Good's Sale

February 2, 1983

Approx. 10,000 lbs. of used steel pipes, 1"-5" in diameter. Also, metal shelving and shop doors.

AUTOTORE'S AUCTION

Location: TRIO HARDWARE on Rt. 254 W. off Rt. 54 W. Washingtonville, Pa. Danville Exit Interstate 80

SATURDAY, JANUARY 29, 1983
10:00 A.M.
ABSOLUTE AUCTION
ON ALL STORE ITEMS SOLD!!!
14' by 60' ATLANTIC MOBILE HOME
HARDWARE

Campbell chain caddy (loaded), Burnsamatic torches, H.D. drop cords, Rockwell circular saw, + saber saw, circular saw blades, winch pulleys, drill bits, (Masonary, steel, wood) socket sets wrenches, vises, rope, masonary tools, Wayne sump pups, hedge trimmers and pruners, hand saws, elect. fencer, wire brushes, crow bars, wrench sets, squares, hammers, breakers, barbed wire, Yankee screwdrivers, dimmer switches, water heater elements, fuses heat tapes, tap + die, 20 ft. extension ladder, ax + hammer handles, power stapler, kerosene heater, stovepipe + reducers, lag bolts, work gloves, zinc cromate nuts and bolts (various sizes), 4, 6, 30, 20 penny nails, galv. roofing nails, diamond edge knives, 4 by 6 slate, roof vents, Plasticote fence, aluminum screening, chicken wire, peat moss rubber water hose, steel fencing, mobile home window cranks and accessories, pegboard display islands.

AUTOMOTIVE

Distributer caps, ignition parts, car accessories, V belts, heater hoses, radiator hoses, sealed beam headlights (sq) tow cables booster cables, battery terminals, air filters, oil filters, wiper blades.

PAINT SUPPLIES

Gallons and quarts of paint, spray cans, 5 gal. cans of roof coating, (aluminum), plaster, sand paper, scrapers, Red Devil products.

PLUMBING

Copper and plastic tubing, plastic Y's T's, elbows, H.D. valves, brass and copper fittings, plastic and steel drains and traps.

MOBILE HOME

We are offering a spacious 14' by 60' Atlantic mobile home with "A" title furnished with kitchen appliances, dinette set, living room. This home has two bedrooms and financing is available to qualified bidders!!! Also arrangements for moving and setup are available after settlement.

Auctioneers Note: all merchandise is store new, and there is something for everyone!

Terms Cash. $1000.00 down day of sale for purchase agreement on mobile home, balance due in 30 days.

Seller **JAMES PAUGH**
437-3500
Auctioneers: John Autotore 784-3506
John Jr. 784-0381
Auction To Be Held Under Heated Tent
(Lunch)

PUBLIC AUCTION

ANTIQUES, ORIENTAL RUGS AND COLLECTABLES
GENERAL SUTTER INN
Main and Broad Sts., Lititz, PA
WED., FEBRUARY 2
5:30 P.M.

Approx. 2,000 old baseball cards, marbles, arrow- heads, country one drawer stand, blanket chest, patchwork quilts and comforters, late Adams china, set of C. W. Fields limoges china, small victorian sofa, oak and mahogany furniture, glassware, oriental rugs size 3 x 5 through 9 x 12 all hand woven in designs such as Tabriz, Bokhara, Chinese, Kashan and others.

Items for sale may be brought sale day from 8:00 A.M. to 11:00 A.M. This is a nice house lot from Ephrata.

E.M. Murry Associates
287 Lime Rock Road
Lititz, PA 17543
Elmer Murry 626-5244 - 626-2636
Richard Murry 626-8175 949-2280
Ken Miller 665-2073
Professional Auctioneers
Appraisers and Advisors
Since 1953

FARM DISPERSAL

Wayne & Connie Oakley
RD #1, Nicholson, Lathrop Township, Susquehanna County, Penna. Since deciding to discontinue farming we have been commissioned to sell on
SATURDAY, FEBRUARY 5th, 1983
At 11:00 A.M.
Located on Nicholson-Hop Bottom back road, 3 miles No. of Nicholson, Pa. 4 miles south of Hop Bottom off 167. Watch for Arrows.

66 HEAD HOLSTEIN DAIRY CATTLE 66

33 mature cows, few strictly fresh 15-20 handling for early March & April - Good framed cows - 5 bred heifers due within 6 weeks - good size - 8 open heifers - 16 calves various age - 4 bulls - 1 yrlg. Hol. service bull - 1 yrlg. blk.-white face - 2 Hol. bull calves - 30 day blood & T.B. pregnancy examined - Shipping fever shots

FARM MACHINERY

Same "Drago" 120 hp tractor 1½ yr. old, 661 hours, like new; Allis Chalmers D-17 dual remotes; Fordson Power Major power steering LPTO & pulley; NH 782 Forage Harvester w/electric controls - windrow head; NH #8 Crop Carrier w/tandem gear; NH 28 forage blower; Cobey S.U. wagon; NI 272 cutditioner; NI wheel rake; Pittsburg 16' transport drag; AC 3 btm. 3 pt. trip plows; 52' Little Giant elevator; NH 367 tank spreader w/hyd. lid.

AUCTIONEERS NOTE: All NH equipment purchased 1½ years ago, in excellent condition. Fine good set of equipment here.

TERMS: Cash or Good Check
Lunch Available

MR. & MRS. WAYNE OAKLEY
Owners
Sales Managers & Auctioneers
Howard W. Visscher — **Nichols, N.Y.** — **607-699-7250**
Bill Mead — **Montrose, Penn.** — **717-278-2901**

HORNING'S PUBLIC SALE
OF FARM EQUIPMENT

Located along Meadow Valley Road, between Ephrata and Millway. Signs posted on Rt. 272 south and Rt. 322 west of Ephrata. Ephrata Township, Lancaster Co.

TUESDAY, FEBRUARY 22, 1983
Sale At 9:30 A.M.
TRACTORS & SKID LOADERS

John Deere Inc. 4430 diesel, 4230 Diesel, 4020 Diesel, 3020 Diesel, 2640 Diesel w#148 loader, two 2030 gas & Diesel, 2630 Diesel all with wide fronts. Two 3010 gas & Diesel. J.D.A. #350 Crawler with blade and PTO 900 hrs. **International Inc.** 1066 Diesel, 766 Diesel, 806 Diesel, all with wide fronts. Also 230 & A.V. and Cubs with mowers and H. **Fords Inc.** 6600 Diesel w/Dual power #5000 Diesel, #800 gas. 8-N. **Massey Ferguson Inc.** #285 Diesel, #175 D, #265 D, #165 D, #135 D w/P.S. #65 Gas. **Oliver Inc.** #1950-T, #1850D, #1655D, #1750D, 2 - #1650 Gas & Diesel, 550 gas, all with wide fronts, and 77 & 88 Diesels, Case 970 power shift & cab, Case 470 gas W.F., A.C. #185 Diesel W.F. Bobcat Skid Loaders, Gas & Deutz Diesel, J.D. & M.F. Riding tractors.

BALERS - HAYBINES - RAKES - MOWERS AND CONDITIONERS

New Holland Balers with throwers inc. #320, two #276, #269, #271 S-69, N.H. balers without throwers inc. #275, #273, #270, #268, #68. **John Deere Balers** inc. #346, #336 with throwers, #224, #24-T, #14-T, Int. 440, #220 Case without throwers. Round balers inc. NH #850, Badger & Int. **New Holland Haybines** inc. two 12 ft. #490 & #495 9 ft. inc. two #489, one #488, three #479, two #469, one #461. 7 ft. haybines inc. N.H. #477, two #467, Int. #990. Hesston P-T-7. Two JD #1209, Hesston #1090, PT10, 9 ft. 2 New Idea 7 ft. conditioners, McRotary Cyth, 3 pt. mowers inc. MF dyno balance and pitman.NH #351. **Rakes inc.** two NH #256, two NH#56, one #55. Also JD & Int. roll bar and 3 pt. one new, one used New Idea wheel rake, 2 N.I. crushers, Nicholson & Grimm tedders. 3 new & one used bale wagons. Flail choppers, NH #36, JD #16, Heavy duty 3 pt. rotary cutter. Lilliston trailer cutter.

Harvesters inc. Harvesters, blowers, pickers, wagons. New Holland #890, N Rand pickup, and 2 row snapper head, two NH #770 with NR heads, two N.H. #718, one narrow, one 1 row, N.H. S-717 with one row pickup, Gehl #1200 w/N.R. excellent. Gehl #600 w/N.R. & pickup, A.C. #720 N.R. Fox #2000, JD #38 W.R. **Blowers inc.** Int. #56, NH #26, Ford #618 full rite, Silage wagons, inc. Dion Artsway with 3 btr. & roof, Int. #105, Kasten NH #8, two JD #216.

Corn Pickers inc. New Idea #325 N.R. NI #312, N.I. #310, Oliver #5, Wood Bros.

GRINDERS, MIXERS, SPREADERS & MISC. EQUIP.

Inc. N.H. #354, N.H. #352, Gehl #115. Owatonna. **Spreaders inc.** N.H. #676 tandem wheel & tail gate, John Deere #660 tandem wheel, N.H. #518 w/tail gate. N.I. w/tail gate, N.I. #213 w/3 btr. J.D. #54, N.H. #202 ground dr. small cub, Hawk built #157 tank spreader. **Drills inc.** J.D. #8300 w/double disk. Int. #510, M.F. #44, Ontario and J.D. lime drill, N.H. and Smoker elevators, 5 trailer and 3 pt. sprayers. J.D. #400 and #414 rotary hoes, 3 pt. portable engine drive cement mixer, Windpower 15 K.W. PTO trailer generator, Int. heavy duty blade with hydratic adj. 5 loaders to mount on tractors.

PLANTERS, PLOWS, DISK HARROWS, PACKERS

J.D. #7000 4 row N.R. dry fert., New Kinze 4 row narrow w/dry fert., Int. #800 four row, early riser dry fert., three J.D. #1240 plateless dry fert. & disk openers, two 1240 plate disk openers, three 494A w/disk openers, one 1240 JD with liquid, JD #490 and a 246 three pt. 2 Int. #56, two Int. 456, one 455 4 rows, Int. #56 w/Liquid fert. MF 4 row.

Plows inc. Glenco 7 tooth soil saver, new Int. #5500, 7 tooth chisel, Int. 3-16 spring reset, Oliver 3-16 reset, Ford 3-16 reset, Oliver 5-16 trailer spring reset, JD #1450 6-16, JD F-145-5-16, JD 4-16 semi. Ferguson 2 bottom, 3 Oliver 3-16 cushion 3 pt. AC snap. **Disk harrows inc.** JD #210 12 ft., 2 JD #110 12 ft., 2 JD RWA 10 ft. KBA transport & trailer, JD 6 ft. 3 pt. Case 14 ft. transport, 2 White 10 ft. Oliver 10 ft., Ford 8 ft. transport, Int. 10 ft. **Cultimulcher** JD #950 14 ft. and 10 ft. Brillion 10 ft. field cult. with 2-4 ft. wings 10 & 12 ft. packers, JD 3 section spring harrow & Int. 401 4 section parts tractors 4010 JD #3010 gas, A-Ferg. 35.

Come early only a few small items.

Terms: Cash or good checks. Ident. required for buyers nos.
Lunch at Sale — Not Responsible for Accidents

EDWIN HORNING, Owner
Ephrata RD #2, Pa.
Ralph W. Horst & Blaine Rentzel Auctioneers
Phone 717-733-7408

Public Sales Register

Closing Date - Monday, 5:00 P.M
of each week's publication

MON MARCH 7 - Public Auction of Farm Equipment by Noah W and Barbara A Wenger Location take Rt 272 north from Ephrata to Hess Foods At Hess Foods turn left on Wabash Road, go to crossroads Straight through crossroads onto Indiantown Road. Go to Wallops Hill Road, turn right to farm on left John E and Paul E Martin, Auctioneers

TUES MARCH 8 - 11 A.M. Public Sale of Farm Machinery, Harvestore and Fickes Silos. Located along Blackburn Road, 2 mi. south of Quarryville off Rt. 222 James R Groff, Owner. J. Everett Kreider, Auctioneer

SAT MAR. 9 - Stoltzfus Farm Service Annual Consignment Sale, Cochranville, Pa

THURS. MARCH 10 - 10.30 A M. 3rd Annual PA Heifer Relief Sale Located at the Guernsey Sale Barn, 6 miles east of Lancaster on Rt 30 Wilmer Kraybill, Sale Manager 215-286-9576

THURS. MARCH 10 - PA World Relief Heifer Sale. Located at Guernsey Sales Pavilion, Lincoln Highway East, Lancaster, PA. John Umble, Lee Kurtz and Omar Stoltzfus, Auctioneers.

THURS. MARCH 10 - Public Sale of Farm Equipment: Located taking Rt 272 north from Ephrata to Schoeneck Rd, turn left on Schoeneck Rd. to Indiantown Rd., left on Indiantown Rd. to 1st farm on right Paul N and Emma E. Rutt, Owners. Horning Farm Agency, Auctioneers.

MARCH 10 - 10.30 A M Third Annual PA Heifer World Relief Sale to be held at the Guernsey Sale Barn located 6 mi. east of Lancaster on Rt 30. Sale Mgr. - Wilmer Kraybill 215-286-9576

SAT. MARCH 10 - 10 A.M. Public Sale of Farm Machinery, Hay, Corn, Straw and Household Items. Located 1 mile north of Little Britain from 272. Martin E. Ressler, Owner. Kreider and Diller, Auctioneers

FRI MAR 11 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

FRI. MARCH 11 - 9:30 A.M. Public Sale of Potato and Farm Equipment, Truck and Household Goods. Located near the village of Brogue, along Rt 74 approx 7 mi. south of Red Lion or 15 mi. south of I-83 at Rt. 74 exit to Brogue Post Office and General Store turn East onto Lucky Rd., 1st farm on left, Chanceford Twp., York Co., PA. Mr. and Mrs. James C. Bacon, Owners. Reynold Burke, Auctioneer.

EQUIPMENT LIQUIDATION AUCTION AT LACHANCE FARMS, INC.

GIGANTIC GIGANTIC

(Sale per order of Secured Party)
FOUR BRIDGES ROAD, SOMERS, CT.
SATURDAY, MARCH 5, 1983
AT 9:00 A.M. - RAIN, SNOW OR SHINE

DIRECTIONS: Interstate 91 from either direction, take Exit 47E (Route 190 East) 6 miles; Left on Hurlburt Road, Left on Four Bridges Road. (Arrows)

20 GAS AND DIESEL FARM TRACTORS 20
BOBCATS, FORKLIFTS, DOZER, BACKHOE AND LOADER

Int. model 1256, #1066, #706, #656, #560, #350; John Deere models 4430 FWD w/duals, #4020, #4010; M.F. model 165's; Case model 750 Dozer; 2 Melroe Bobcats model 600M (propane); 3 Clark Forklifts 5000 lbs. capacity (propane). All farm tractors have wide front ends, some with cabs, snow plows and loaders, mostly diesels. Case model 580 CK backhoe loader.

18 PICKUP TRUCKS AND FARM TRUCKS 18

1981 Ford F150 w/plow; 1980 Ford F100; 1978 Ford F100; 1976 Ford F100. Fourteen 1952-1972 Int., Ford and Chevy farm trucks, many with real nice bulk potato bodies; platform, van and fertilizer bodies; water tank. Also includes 1967 model 1600 Int. platform dump and Army 4x4.

EQUIPMENT AND SHOP

Three J.D. 12' transport harrows; 1 M.F. 12' transport harrow; 2 Int. model 560's 6-bottom plows; Int. #540 4-bottom plow; 2 Bean 22-row, 600 gal. sprayers; 1 fiberglass tank boom sprayer. J.D. #737 and #207 rotary mowers; Brady #840 8' flail; Bush Hog #306 rotary, J.D., Int., M.F. 2 and 4-row cultivators; six 10' - 14' lime and fertilizer sowers. Trailer for carrying bulldozer; subsoiler; snow blower; Hobart Heli-Arc Welder; Miller welder; Air Compressor; band saw; steam cleaner; torches; drill press; floor jacks; etc.

7 MILES OF IRRIGATION PIPE IN GOOD CONDITION

Approx. 1700 (20' - 30') lengths of 4"-8" dia. Wade Rain; approx. 300 (20'-30') lengths of 4"-8" dia. Rainbow; approx. 200 (20'-30') lengths of 4"-6" dia. Stout; approx. 200 (20'-40') lengths 6" and 8" dia. Sunrise. Risers, elbows, couplings, adapters, valves and T's. Two 4-wheel trailers, one 2-wheel trailer for pipe.

POTATO PACKING HOUSE & PLANTING/HARVESTING EQUIPMENT

Complete, operating sorting and packaging line includes: Haines unit - unloader, B-sizer, hopper; FMC packing line - washer, brusher, conveyors; Union Camp 50 lb. bagger, air compressor; 2 Baker packaging machines; 2 Lockwood sewing machines; 2 Fishbein sewing machines; Haines 40' bag loader; Haines flume; 18' Sylvain conveyor; 22' Sylvain conveyor - bin loader, 20' Troyer conveyor - bin loader; conveyor washer sizer, 2 custom conveyors; hopper to dump B's; 2 50 lb. scales; To be sold as whole or in part.

HARVESTING AND PLANTING EQUIPMENT: Dahlman 4-row harvester w/Int. #1066; three Dahlman 2-row harvesters w/Int. #706, Int. #560, and J.D. #4020; Thomas 2-row pull-behind harvester. Two J.D. #216, 2-row potato planters; J.D. #416 4-row potato planter; 2 Haines seed unloaders; 1 custom-made seed unloader.

16 FORD & GMC DIESEL ROAD TRACTORS 16
REFRIGERATED, BOX & GRAIN TRAILERS

Three 1978 Ford 9000 tandem tractors w/Cummins diesels; Two 1979 GMC Astro 95 tandem tractors w/Cummins diesels; 1970 Brockway tractor; 4 tandem Trailmobile refrig. trailers w/Thermo King refrig. units (40', (2)42's, 45'); 3 tandem Trailmobile box trailers (40', (2)42's); Gindy 40' open top trailer; Fontaine 40' drop bed trailer for hay, straw or equipment; Dorsey Grain Hopper trailer. The above trailers range from 1971-1980.

BUYER REGISTRATION WILL BEGIN AT 8:00 A.M.
In Case Of Inclement Weather, Most Everything Will Be Sold Undercover.
Prior Inspection welcome February 21, 22, and 23; March 2, 3, and 4 from 10 A.M. - 3 P.M.

Order of Sale: 9 A.M. to Noon - Shop Tools, Tractors, Pick Ups, Farm Trucks, Equipment and Road Tractors; Noon on - Trailers, Irrigation, Packing House, Planting and Harvesting Equipment.

Terms: Cash or Check Day of Sale.

Financing: 3-5 year financing available at competitive rates to qualified buyers through Equipment Credit Corp. with 25% down on individual or combined purchases in excess of $10,000. Apply through auction company 10 days prior to sale.

Any conditions announced day of sale will supercede prior terms and conditions.

Equipment transportation available to buyers.
GOOD FOOD ALL DAY — AMPLE PARKING

Ten miles from Bradley Field - Ground transportation available - Call in advance.

Although this is a potato farm liquidation sale, the majority of the equipment has much versatility and adaptability for just about all types of farming and some industries. Most all the machinery appears to have been very well maintained, kept under cover winters, and is in exceptionally good, ready for Spring work, condition. At this WHALE OF A LIQUIDATION SALE you will see equipment often sought but seldom seen.

For auction information, flyers and financing, call Maple Grove Auction Company weekdays from 9-5. (203) 228-0010.

Sale managed by:
MAPLE GROVE AUCTION COMPANY
CHESTNUT HILL, COLUMBIA, CT. 06237
(203) 228-0010
Auctioneers: Sam Berkowitz * Fred McGhee

PUBLIC SALE
SATURDAY, FEBRUARY 12, 1983
10:00 A.M.

Located five miles south of Quarryville. One half mile south of Black Rock Retreat, just east of Route 472 at southeast corner of Bartville Road and Pumping Station Road. Colerain Twp. Lancaster County, Penna.

FARM EQUIPMENT

Ford 5000 Diesel tractor, with 6' blade; Ford 600 gas tractor; 1973 Chevrolet Cheyenne 10 ½ ton pick-up truck with cap; Cub Cadet Hydro-Static 12 h.p. lawn and garden tractor; Yardman 10 h.p. lawn and garden tractor.

New Holland #489 Haybine; New Holland #275 baler with thrower; New Holland #519 double beater manure spreader with Hyd. tail gate; Hustler #56 Blower with 50' of pipe and gooseneck;

New Idea #270 hay conditioner; New Idea 5-wheel rake; New Idea 5-bar rake; New Idea Flail chopper; New Idea Crimper; John Deere #125 3-beater unloading Chuck wagon; Four rubber tired 18' and 16' wagons with high hay racks; Smoker and Husky Gravity bin wagons; Case elevator with motor;

Case 12' transport disc; McD 13 disc grain drill; McD 2-row corn planter with fertilizer attachment; Brillion 10' cultimulcher; 3-point hook-up weeder; two 3-point hook-up blades; 3-point hook-up sprayer; Metal dump farm trailer; Cattle transport farm trailer; Utility farm trailer;

Wind Power 25K-W Generator; air compressor; saw buck and saw; steel roller; white-wash outfit; two section harrow;

Patz 20' silo unloader with 7 h.p. motor; Van Dale 11' silo unloader with 3 h.p. motor; C-Cornell barn cleaner with approximately 100' of chain and 3 h.p. motor; Starline barn cleaner with approximately 80' chain and 3 h.p. motor.

Two garden tractors; two Surg-i-kil 600 fly killers: two wheelbarrows; two feed carts; 38' wood ext. ladder; Nine bales of baler twine; tractor and wagon tires; tractor and log chains; ten iron hog troughs; two 2-hole corn shellers; platform scales; belts; stanchions; window sash inc. eight new 8-lights; tobacco shears; dog house; bag wagons; Badger hog and cattle waterer, needs parts; lumber; lot of parts and scrap iron;

HAY, STRAW AND GRAIN

175 ton of ear corn; 70 ton Mixed Hay; 15 ton second cutting alfalfa; 13 ton third cutting alfalfa; 20 ton Straw;

Large shop drill press with motor; bench saw; skillsaw; chain saw; various sizes of electric and gas motors; pumps; Hyd. jacks; Vise; pipe vise; sprayer; socket sets; wrenches; bolts; equipment seats; hand tools; Hi-pressure washer, needs repair; small animal trap; overhead garage door and track; forks; shovels; scythes; can't hook; springs; pins; Hyd. cylinders; wrench and tool cabinets; fan.

SOME HOUSEHOLD ITEMS AND ANTIQUES; Square back sleigh; wheat cradle; wood tools; planes; drawing knives; etc.; old wrenches; Iron kettle with 3-lets; meat bench; crocks; Victrola; Mantle fronts; barn desk; wash machines one with copper tub; tobacco sizing boxes; wood beds; roll-a-way bed; Apt. size coal and wood stove; Heatrolas; coal range; Chest freezer; metal and wood lawn chairs.

And many other articles too numerous to mention.

Sale at 10:00 A.M.
Snow Date Tue. Feb. 15, '83
Sale Order: Small items Barn and Shop
Household Items
Farm Equipment

MRS. JEANNE (Earl M.) LINTON
Owner
Diffenbach's Auctioneers

No out of state checks unless buyer presents current letter of credit from Bank.
Lunch by Farm Women Society #15

PA. DRAFT HORSE & MULE ASSN. SALE
FEBRUARY 17, 1983
Blizzard Date Feb. 18, 1983
Pa. State Farm Show Building - Corner of Cameron & McClay St. Harrisburg, Pa.
Tack 9:00 A.M. Horses - 12:00 Noon
Auctioneer - Steve Andrews
Wooster, Ohio

Terms - Tack & Draft Horse Related items - 10% w/max. comm. $50.00

Horses $30.00 to accompany consignment. If no sale - no refund, 5% comm. w/max comm. $150.00. $30.00 entry fee to be deducted from comm. Consignor checks mailed March 21, 1983. Consignments will be accepted until 10:00 A.M. Feb. 17, 1983.

Horses will be sold in order of consignment. Negative Coggins Test & Health papers within 6 months to accompany each horse.

There are 64 head cataloged with half registered. Consignors included are:

Herb Frantz, Steve Glick, Jesse Darlington, Aaron Petersheim, Smith Bros., Paul Yoder, Edgar Messerschmidt, Kanagy Bros., Elmer Lapp, J.H. Glick, Jim Cole, John Lapp & Anthony Regula.

For Catalogs & Information Contact:

Elmer D. Lapp 717-768-8177
Gail Biddle 814-466-6215
W. David Keller 717-566-0529
Allen Smith 814-695-0491

Tack Sale
Shirley Ray
412-726-5664

FARM EQUIPMENT DISPERSAL

Quitting farming the undersigned will sell on the farm located 1½ miles north of Newburg, Cumberland Co., Pa. along Rt. 641 on

SATURDAY, FEBRUARY 5, 1983
Sale at 11:30 A.M.

TRACTORS - TRUCK - FARM EQUIPMENT

Case 995 diesel, fully equipped; David Brown 880, Sauder loader to fit; both tractors in good condition; 13.6 - 28 tractor chains; Bolens 1035 riding mower; 1969 Chev. V tag truck, 14 ft. bed with sides; J.D. 3 - 14 in. and National tool 3 bottom and 3 pt. plows; Oliver No. 251 - 10 ft. transport disc; Brillion 10 ft. packer; Ontario drill, used 2 years; Case drill for parts; Ford 309 2 row 3 pt. planter; 10 ft. disc; 3 section 3 pt. harrow; 3 section lever harrow; Cyclone seeder; 3 pt. blade; Humboldt hyd. post driver; Wikomi No. 701 post digger; N.H. 328 P.T.O. spreader, like new.

HAY MACHINERY - COMBINE - PICKER WAGONS - ETC.

N.H. 273 baler with thrower; N.H. 477 haybine; N.H. 451 mower; N.H. roll-bar rake; 5 ft. Bush Hog rotary; Century 200 gal. sprayer; 3 pt. 55 gal. tank sprayer; 3 wagons with bale racks; Farm and Family Center wagon with 165 bu. bin; Little Giant 28 ft. elev. with directional spout, etc. 16 ft. grain auger; belts, 2 salt keepers for cattle, elec. fencers, elec. fence posts, water troughs, iron hog troughs, elec. motors; water pumps, inc. heavy Gould; barb wire, ladders, heated water trough, cattle head gate, 300 gal. tank, corn sheller with motor, 2 windmill seed cleaners, bale scales, wagon and house jacks, Saber and jig saws, power grindstone, oil pump, table saw, antique shredder, 25 milk cans, hog waterers, gates, sink and commode, Kalamazoo stove, forks, pile of scrap iron and other misc. items.

AUCTIONEER'S NOTE - Most of this equipment is in real good condition, some like new.

Terms Cash or Good Check
Ident. required for bidder's Number
Lunch served by Newburg Hopwell Fire Co.

MRS. LEE J. ANSLEY
R.D. 1, Box 246
Newburg, Pa. 17240
Phone 717-423-5250

Ralph W. Horst, Auctioneer
W.W. Gossert, Clerk

PUBLIC AUCTION

FARM EQUIP.; DAIRY CATTLE; MILK TANK

FRIDAY, FEBRUARY 11, 1983

At 11:00 A.M.

2 miles West of Easton, turn N of US Rt. 22 onto Rt. 33 for ¾ miles to Hecktown Rd. exit, go West on Hecktown 2 blocks, turn S. on Country Club Rd. cross over Rt. 22 to Green Pond Rd. turn R. to farm in Northampton Co., Pa.

CATTLE & MILKING EQUIPMENT

(19) mixed breeds of milch cattle in various stages of production, mostly home raised & high producers, (11) heifers, bulls or steers 10 to 12 mon. of age, (2) Jersey bulls 14 mon. old, individual health papers furnished; Muller 300 gal. milk tank; Surge SP-22 compressor; (2) Surge milker units; dbl. rinse tubs; 50 gal. hw heater.

FARM EQUIPMENT

Farmall 460 diesel w/TA; Farmall 400 diesel w/TA & new rubber; Farmall H tractor; front end loader & culti for same; (2) JD three bot plows 14" & 16"; MD #16 three bot. 16" pl; Int. 10' transport disc; JD 10' roller harrow; JD 290 corn planter; MD 245 corn planter; Ontario 13 disc grain drill on rubber; NH 478 haybine; NH semi mt. 7' grass mower; NH 55 rake; JD 214 baler; (4) four wheel trailers; N Idea 310 one row corn husker; Little Giant 26' bale elev.; JD 32B trailer type weed sprayer; NH 33 flail chopper; Meyers single beater pto manure spreader used 2 yrs; 30" barn fan; 38' ext. ladder; approx. 100 ton cow manure; plus other items too numerous to mention.

Terms - Cash or acceptable check
Refreshments available

Ordered by
JOSEPH GROLLER

Conducted by
Ralph W. Zettlemoyer Auction Co. Inc.

PUBLIC SALE

HOLSTEIN HERD - FARM MACHINERY

SATURDAY, FEBRUARY 19, 1983

10:00 A.M.

Located in Chester County, PA - 3 miles north of Oxford on Bethel Road. From Route 1 by-pass go north on Route 472, bear left at intersection, follow to sale.

45 Head HOLSTEIN HERD AT 12:30 45 Head

Approx. 17 head fresh Dec., Jan., Feb., March, balance in all stages of lactation. Sired and bred to pure bred bulls. Pregnancy checked - 30 day charts.

Auctioneer's Note: This herd is a little on the rough side, an opportunity to buy cows with potential.

FARM MACHINERY

John Deere 3020 gas tractor, power shift, overhauled last fall, good rubber; John Deere 720 gas; Great Bend heavy duty loader fits 3020 and 720; New Holland 479 haybine; New Holland 256 rake with rubber attached teeth; New Holland 271 baler with thrower, completely overhauled in 1982; 5 high side bale wagons; 3 grain bin wagons; John Deere 4 bottom, 14" plow, 3 pt.; John Deere 8 ft. transport disc harrow; John Deere 4 row 495A corn planter; John Deere 34 forage harvester; New Holland No. 3 forage wagon, needs work; 6 ft. Woods rotary mower, pull type; New Idea tandem axle 375 bu. manure spreader; 1956 GMC truck with Grove silage box; 1957 Chevrolet stake body; 29,000 original miles, 2 speed transmission, both run good; wagon load small items.

Farm Machinery sold between 10 a.m. and 12:30 p.m.

Terms by:
CHARLES STOWE

Auctioneer: Steve Petersheim
717-786-4624

Lunch on Premises

Public Sales Register

Closing Date - Monday, 5 00 P M
of each week's publication

FRI MARCH 11 - 9 A.M. - Consignment Sale of Farm Equipment by Keister's Middleburg Auction Sales, Inc. Rt. 555 3 miles East of Middleburg, 5 miles west of Selinsgrove, Pa Don and Walt Keister, Owners, Ray Long and Dave Imes, Auctioneers

SAT. MARCH 12 - Public Sale of Farm Equipment, Located at 61 Clay Rd, Lititz, PA. Clarence W Weaver, Owner. John E and Paul E Martin, Auctioneers.

SAT. MARCH 12 - Public Sale of Farm Equipment. Located near Lees crossroad, 6 mi. east of Shippensburg. Charles Strohn, Owner. Nevin Martin and Melvin Sensenig, Auctioneers

SAT. MAR. 12 - Public Sale of Farm Equipment located between Mt. Joy and Mastersonville along Meadow Road (1 mile SW of Mastersonville) near Chiques Church of the Brethren. Sale by Guy Stauffer. Rufus K. Geib and Raymond Miller, Auctioneers.

SAT MARCH 12 - 8 30 A.M. Public Sale of Household Goods, Farm Machinery, Livestock, Antiques and Quilts. 15th Annual Sale for Gordonville Fire Co Local Auctioneers.

SAT. MAR. 12 - 10 A.M. Public Sale of Good Machinery Located in Centre Co ½ mi. north of Potters Mills, PA on Rt. 144, turn east on Lower Georges Valley Rd., 1½ mi to farm. Dick and Lucille Fuller, Owners Mark Glick, Auctioneers.

SAT. MARCH 12 - 11 A.M. 50 Registered Holstein Calves and Heifers Located at Hunter's Sales Barn, Rising Sun, MD Eastern Shore Showcase Calf Sale For more information contact Robert Knutsen, 301-658-6325.

MON. MARCH 14 - Public Sale of Farm Equipment located along School House Road just east of the Middletown exit of Rt. 283. Sale by J Allen Dehmey estate. Raymond Miller and Rufus Geib, Auctioneers

TUES. MARCH 15 - 12 Noon. Complete Mar-Gra Registered Holstein Dispersal Located 6 mi northeast of New Holland, Rt. 23 east to Rt. 625 north, approx. 2 mi turn right onto Union Grove Rd., 1 mi. to farm on left. Marvin and Grace Reed, Owners. Kline and Kreider, Auctioneers

TUES. MAR 15 - 9 A M Public Sale of Farm Machinery and Some Household Located in Mifflin Co, 3 mi northeast of Belleville, PA on Maple Grove Rd. Mr. and Mrs John W Spicher, Owners Mark Glick, Auctioneer

THURS MAR 17 - 11 00 A M Monthly Cow Sale at Mel Kolb, Inc, Maryland Farm, Woodsboro, MD

THURS. MARCH 17 - Public Sale of Modern Farm Machinery and Personal Property. Located at the farm, 572 Millway Rd., Lititz, PA, from Lititz go 1 mi north on Rt. 501, turn east on Newport Rd., 2 mi. to Millway Rd., turn left to farm Estate of Jesse Balmer. Kline and Kreider, Auctioneers

FRI. MARCH 18 5 30 P M Public Sale of Tractors, Trucks and Etc Located at the Kempton Community Center. 12 Auctioneers

FRI. MARCH 18 - 6 30 P.M. Consignment Sale of Feeder Cattle and Feeder Pigs by Keister's Middleburg Auction Sales, Inc. Rt 555 3 miles East of Middleburg, 5 miles west of Selinsgrove, Pa. Don and Walt Keister, Owners, Ray Long and Dave Imes, Auctioneers

COMPLETE HERD DISPERSAL OF NELSON MUSSER

FRIDAY FEBRUARY 4, 1983

at 10:30 A.M.

At Shady Lane Dairy Sales, Inc. ¼ Mile West of Quarryville off Rt. 372 on Oak Bottom Rd.

100 HEAD OF REGISTERED AND HIGH GRADE HOLSTEINS

This herd consists of 35 mature cows, 2 springing heifers, 5 bred heifers, 13 open heifers over 1 year old, 8 four to six month old heifers and 4 started calves.

OFFICIAL DHIA 2X 305 14,677 lbs. 3.7% 541 fat
CURRENTLY AVERAGING 50.0 lbs. Milk In The Tank.

This is a clean herd with a future, 9 fresh in Dec., 1 in Jan., 1 due in Feb., 2 in March, 5 in April, 2 in May, Balance in all stages of lactation.

Special mention of 1 Brown Swiss and 1 R & W Holstein.

Also selling 1 load of local springers due in February and March. Purchased this fall from herd dispersals. Plus some fresh and springing cows and heifers from local overstocked herds.

This is an excellent opportunity to buy from a good local herd, in good health and production.

TB and Blood Tested. **Health Charts Sale Day**
Preg. Examined by Vet.

SHADY LANE DAIRY SALES, INC.
Owners

Glenn D. Fite
717-786-2750

David L. Fite
717-786-1725

Lancaster Co. Amish: For Free Transportation Call by Thurs. Eve.

SNOW DATE Saturday February 5, 10:30 A.M.

PUBLIC SALE

SATURDAY, FEB. 19, 1983

9:30 A.M.

Location: Brickerville Fire Hall, off Route 322 in Brickerville, Lanc. Co., Pa.

Household Goods; Jessie French & Sons Piano; 5 pc. Bedroom Suite, Spring & Mattress; Single Bed, Spring & Mattress; 3 pc. Bed Room Suite, Box Spring & Mattress; 2 Sofa Beds; Breakfast Set, 6 Chairs; Corner Cupboard; Kneehole Desk; Extension Table, 4 Boards & 6 Chairs; Vanity; Chairs; Rockers; Lounge Chair; Window Air Conditoner; Large & Small Fans; Philco Chest Freezer; G.E. Washer; Kenmore Dryer; Hoover Tank Sweeper & Attachments; Magazine Racks; Ice Chest; Metal Cabinets; 2 Quilt Frames; Serving Table; Hand Sweeper; 32 Rifle; 12 ga. Shot Gun; Shoe Maker Outfit; Table & Floor Lights; Rugs; Books; Yarn; Wash Boiler; Electric Clipper; Toaster; Roasting Pan; Coffee Maker; Trays; Variety of What Nots; Pillows; Set of Ovenware; Variety of Dishes; Variety of Cooking Utensils, Knives & Forks; Porch Furniture & Glider.

Antiques

2 Chest with 4 Drawers & Glass Knobs; Jelly Cupboard with 2 Drawers; Oak Drop Leaf Table; Small Tables, 1 with Claw Feet; Small Drop Leaf Table; Bucket Bench; Spinning Wheel; Chests; Cupboard with Mirror; Library Table; Dough Tray & Stand; Foot Stools; High Chair; Cane Seat Chairs & Rocker; Set of 6 Chairs; 2 Reed Rockers; Benches; Demastes Treadle Sewing Machine; Wooden Fork & others; WOOLEN SPREAD SIGNED PETER LEISEY, LANC. CO., COCALICO TWP.; QUILT; Clothes Trees; Flail; Large Tin Sterling Coffee Can; Baskets; Large Mirror; Wooden Boxes; Wooden Paddles; 3 Clocks, 2 Eight Day; Brass Bucket; Variety of Small Iron Kettles; Sad Irons; Wooden Bowl; Butter Mold; Horse Tie; Wooden Measures; Water Kegs; Wooden Crock Lids; Picture Frames; Coal Bucket; Dryer; Scales; Meat Saw; Ladles; Forks; Crimper; Earthen Pie Plates; Jugs; Crocks; Salt Crock; Candle Mold; Camera; German & English Bible; Milk White Majolica; English Blue Willow; Variety of Vases; Compote; Depression Glass; Shaving Mugs; Luster Pitchers; Coal Oil Lights; Tea Pots; Cake Stand; Ironstone; Adams; variety of Glass; 8 Glasses & Pitcher; Cuspidor; Scoops; 3 Prong Fork & Knives; Cookie Cutters; Skillet; Old Calendars; Pair Buggy Lights; Variety of Tools; Axes; Hammers; Plane; Level; Buck Saw; Jack; Horse Collar; Garden Tools; Shovels; Rakes; Step Ladder; Power Mower; Lawn Sweeper.

Articles can only be viewed day of sale. Many other articles not mentioned.

PUBLIC SALE

OF OF REAL ESTATE

FRI. EVE., MARCH 4, 1983

At 7:00 P.M.

Location: Along Route 322 and Wood Corner Road in Clay Twp., Lanc. Co., Pa., between Lincoln & Clay.

LARGE LOT ON WHICH IS ERECTED A

2½ Story Brick Dwelling with 2 Car Garage Attached

4 rooms and full bath upstairs; 3 rooms and modern kitchen with built-in stove & refrigerator and ½ bath, open stairway; lot of closet space. Enclosed porch, large attic, full basement, hot water oil heat, cistern well. If you are looking for a well built home, don't miss this sale. To view property Saturday, February 26 from 10:00 A.M. to 4:00 P.M. or by appointment call 733-6618 in the evening. Thank you.

Terms By
RAYMOND EDWARDS

Frank & Paul Snyder, Aucts. — 859-2688 - 733 - 7052
K. L. Shirk, Atty.
Fasnacht, Clerks

No Out of State Checks **Not Responsible for Accidents**
Refreshments by Fire Co.

Public Sales Register

Closing Date - Monday, 5.00 P M
of each week's publication

FRI. MARCH 18 - 10 A.M. Public Sale of Ground Equipment, Hydromulchers, Radios, Vehicles, Trailers, Vans, Landscaping Hand Tools and Misc. Office Equipment Located at 5723B Burkittsville Rd., Burkittsville, MD, take Rt. 340W to Rt. 17 towards Burkittsville and sale site or take Alt Rt. 40 to Middletown and turn on Rt 17, proceed thru Burkittsville to sale sign Silviculture Landscaping, Inc., Owner. Wolfe Auctioneers.

SAT. MARCH 19 - Public Sale of Full Line of Farm Equipment located along Route 501 Midway between Lititz and Lancaster Airport known as the Buckwalter Farm Sale by John Fisher, Rufus K. Geib and Raymond Miller, Auctioneers

SAT. MARCH 19 - Public Sale of Cattle and Farm Machinery. Located ½ mi south of Cains. Irvin Eberly, Owner. Steve Petersheim, Auctioneer

SAT MARCH 19 - Public Sale of Farm Equipment, Household Goods, and Antiques, Located taking Rt. 30 west from Lancaster to Millersville-Rohrerstown exit, go through Rohrerstown to 1st farm on right. Raymond S. and Ruth E. Brubaker, Owners. John E. and Paul E. Martin, Auctioneers

SAT. MARCH 19 - Public Sale of Farm Equipment and Etc. Located approx. 3 mi. north of Mount Zion, Lebanon County. Paul S. Hoover, Owner. G. Harvey Weik, Auctioneer

SAT. MARCH 19 - 9 A.M. Public Sale of Farm Equipment and Etc. Located at the Kempton Community Center. 12 Auctioneers 215-756-6511

PUBLIC SALE

OF REAL ESTATE — FARM EQUIP. & TRUCKS
MONDAY, FEB. 14, 1983
10:00 A.M.

LOCATED: 4 mi. west of Spring Grove, Pa. (York Co.) off Rt. 116 at Porters Hill Rd. south to 1st cross Rd., turn right ½ mile to sale, or 6 miles east of Hanover off Rt. 116.

REAL ESTATE 12:00

TRACT #1. Farm of approximately 87 acres, having 72 acres tillable & balance in woodland. New house w/4 bedrooms, living room, dining room, & kitchen, oil & wood fired furnace (hot air), 2 car garage in basement of house. This property has approximately 4500 ft. of road frontage & R.R. frontage on Western Maryland R.R. Large barn, workshop & storage area 60' x 44', 12000 bushel storage bin for grain with arriation fan floor & roof auger w/corn barn. This land lays very good & produces very well. The property is zoned agricultural & is in Heidleburg Twp., York Co., Penna.

TRACT #2. 55 acres, no buildings, zoned agricultural (50 ft. frontage on Rt. 116 & two entrances on Hill Top Drive), 42 acres tillable - balance wooded. This property would be very good for development & is in Heidleburg Twp., York Co.

For inspection of Real Estate Ph. 717-225-1959 or 717-225-3513.
TERMS: 10% Sale Day - Balance on or before April 1, 1983.

FARM EQUIPMENT

TRACTORS

4186 International 4 wheel drive, cab, air, heat, 1440 hrs., 170 hp. 28L x 26 tires - Front weights, 3 pt. & P.T.O.; 966 Farmall, wide front, 3 pt., dual hydraulic, deluxe wind breaker, 20.8x38 - 10 ply Radial tires, 130 hp. 1745 hrs.; 966 Farmall, wide front, 3 pt., dual hydraulic, cab, heater, 20.8 x 38 - 8 ply Raidals, 130 hp. 1500 hrs.; 656 Farmall Narrow front, 16.9 x 38 tires, 2 pt. & 3 pt. hitch, dual hydraulic.; 656 Int. Utility w/New Idea 504 Loader, 8 ft. material bucket & manure fork, 18.4 x 30 rubber, triple hydraulic; Farmall 350 Diesel, 2 pt. power steering, 14.9 x 38 tires, front weights, 2 row culti - belt pulley; Farmall F20 w/ hydraulic - on rubber, (not running).) Int. 234 mtd. Picker, mtdings for 656 - w/ husking bed, sheller attachment for 234 picker.

COMBINE

New Holland TR70 Diesel, air, 968 hrs., hydrastatic, 4 row cornhead, wide row, 15 ft. Grain Platform w/pick-up reel.

TRUCKS & TRAILER

1973 GMC 10 wheels w/20 ft. Grain bed, 600 bu. capacity & 22 ton hoist, hydraulic lift axle. Weight Class 15 in Penna.; 1960 GMC truck w/15 ft. bed, grain & cattle racks.; Grain trailer w/20 ft. bed, 500 bushel capacity, 22 ton dump, electric brakes w/12 wheels.

TILLAGE EQUIP.

(IHC Front Suitcase Weights) 2-Int. 541 - 4 x 16" mdtd. plow 3 pt., 4x14 trailer, IHC 70 plow 7x14 on land hitch, IHC 470-18 ft. wing disc, IHC 21½ ft. vibra chisel, Int. 10½ ft. field culti., 2 - 20 ft. cultipackers w/transports, Tool Bar Planter w/12-386 IHC units, 12 row Sprayer, Ontario 16x7 Grain Drill, David Grain cleaner w/screens, 3 - Grove 8 ton wagons w/screens, 3 - Grove 8 ton wagons w/ McCurdy Gravity Bins & 11L x 15 tires, 2 - Grove 8 ton wagons - 7x14 Grain Beds, 8 ply tires w/dump hoists.
2 Flat bed wagons - 18 ft. cultipacker w/Transport, Moridge Grain Dryer, 275 bushel PTO & L.P., 8 ft. 3 pt. Scraper Blade, Int. #50 Shredder, N.I. Spinner Seeder, New Idea #19 Manure Spreader, Int. 550 2 row Harvester, wide or narrow row, Gehl Forage Blower Table, New Holland Super 77 P.T.O. Baler, IHC 31 Semi Mtd. mower, Owatonna Hay Crusher, New Idea Low Rubber 4 Bar Rake 3 pt. IHC Adapter, Mulkey 32 ft. elevator, 52 ft. PTO elevator w/ rubber belt for Grain, Mayrath Grain Auger 20', Fertilizer Auger 10', Farquer 1 row potato planter, IHC hydraulic cylinders, large assortment of used truck & tractor tires 26"-30"-38"-20", belt pulley for late IHC tractors, rear mtd., Heat house for IHC tractor H through 560, 2 combine reels - 6' & 10 ft., Draw bar for 400 tractor w/axle clamps, plus other items too numerous to mention.

"New Holland 1034 auto. Bale Wagon".

AUCTIONEER'S NOTE: This machinery has been taken very good care of and is in very good condition. If in the need for equipment don't miss this sale. "Why Buy New When Used Will Do". No Reserved Bids. Not many small items, please be on time.

TERMS: CASH OR GOOD CHECK.
FULL SETTLEMENT SALE DAY.

Sale Conducted For:
GARDNER BROS.
Bernard: 225-1959
Anthony: 225-3513
Spring Grove, Pa.
R.D. #3

Auctioneer:
Blaine N. Rentzel, Emigsville, Pa.
Daytime: 717-764-6412
Evening: 717-266-1671

ANNUAL CONSIGNMENT SALE

2 DAY PUBLIC AUCTION

at the Donald Scheese Farm, RD3 Box 288, Elmer, NJ 08318

FRIDAY, MARCH 4 & SATURDAY, MARCH 5
10 A.M. Sharp
Tractors to be sold on Friday

Tractors, Combines, Trucks, Implements
All Types of Farm Equipment

Receiving equipment up to March 3, 1983

For info. call 609-455-3462 or 609-769-4025

Lunch Available

Auctioneers-
Blaine Rentzel & Clyde Wolgemuth

PUBLIC SALE

SNOWMOBILES
SNOW REMOVAL EQUIP. & MISC. ITEMS
SATURDAY, FEBRUARY 5th, 1983
10:30 A.M.

Bob's Weld Shop at Pinchot Park

TX 500 3 cyl. Polaris; TX340 Polaris; 440 Artic Cat Cheetah; 74 Ski Doo (like new); 433 Yamaha; 399 Artic Cat Panther; 400 Suzuki; 530 Polaris Charger; 2-295 Polaris Colt; 295 Charger; 400 Northway; 530 Polaris Mustang; 400 Chaparral; Ski Daddler (no track) Extra items may be offered subject to daily business transactions. All reconditioned ready to run.

Snowmobile clothing, gloves and related items.

SNOW REMOVAL EQUIP.

Snowblades to fit Sears, Hahn, Bolens, Dynamark tractors; Snowblowers to fit Cub Cadet, Sears, Bush Hog, Massey Ferguson, Case & Wheel Horse tractors; 2-18' self-propelled Sears blowers; 1 Power shovel.

10 CHAIN SAWS 10

Homelite; Remington; McCulloch 12 to 21" bars.
New surplus tools & Misc. items etc.
Financing available
Sale to be held indoors

BOB'S WELD SHOP
At Pinchot Park
Auctioneer Blaine Rentzel
Refreshments

AUCTION

ANTIQUES - FURNITURE — HH GOODS

For Stella Halteman at Hatfield Gallery Auction, Fairground Rd., Hatfield, Pa.

SATURDAY, FEBRUARY 5th, 1983
10 AM

Auction - Starting with tools, glassware, furniture.

Many hand tools, oil burner parts, washer, jars, flatware, metal cabinets, shelving, sweeper, West. 16 cu. ft. Ref/Freezer, GE stereo, kerosene heater, German doll head - E168.9, Atlantic City cup, crocks, carnival pitcher, creamer/sugar, footed bowl, vases (in orange & blue), German cup & plate, pressed glass jugs, old tumberl marked Ceville K. Bergey presented by E.H. Halteman, pressed cut glass, wide goblets, berry set, tea set, crochet items, homemade quilts, linens, comforts, Rayo lamp, jardines, Gone w/the Wind lamp, lap robe w/picture of Fox Terrier framed in green horse shoe w/glass eyes, very old blanket chest, oak furniture - S-roll top desk, dresser, round table, bookcase w/beveled glass, triple bow china closet w/paw feet, high chair rocker, commode, rockers, childs table, 3 pc. bedrm. suite, piano stool, Hoosier type cabinet, childs roll top desk & chair, child rocker, child kit. cupboard, child chest-on-chest, plant stands & more...

AUCTIONEER'S NOTE - Mrs. Halteman has lived here over 40 years...

TERMS CASH

Auctioneer - Paul G. Derstein
368-6646

Inspection Fri., Feb. 4 12 PM to 4:30 PM
Sat. 8 AM

PUBLIC AUCTION

VALUABLE FARM EQUIPMENT
SATURDAY, FEBRUARY 26, 1983
10:30 A.M.

Located just ½ mile west of Lititz at 24 Lime Rock Rd.

Consists of the following items: 1974 Chevy Nova 6 cyl. stick shift, David Brown 1200 tractor, Farmall C with Cultivator and Mower 4C 544 Hyd. drive with 2000 loader, IHC 450 super automatic 3-16" bottom plow, Case 1800 chisel, Broyhill sprayer, New Holland super hayliner P.T.O., 6 wheel New Idea rake, 4 row White corn planter about new, 2 row Stauffer tobacco planter, McDeering fertilizer drill, Caldwell 5' rotary mower, Cardinal 16' elevator, 519 New Holland spreader, 16'6" auger. Brillion cultipacker, 3 section John Deere spring harrow, 28 disc J.H.O. disc harrow, Zimmerman bin wagon 8 ton, bin wagon, single row IHC corn picker, saw mandrel, broad sprayer, 2 rubber tire wagons, John Deere KBA disc, platform scale, hay hooks, pumpkin cutter, wooden forks, grain forks, wooden pulleys, strap hinges, milk cans, churn, hand augers, chains, tractor chains, chicken coops, single trees, wet grind stone, electric motors hand tools, air compressor, various iron troughs, 2 grain flails, Trommel hooks, butter scale, various small household items, butcher tools, small elec. slicer. iron skillets, crocks, oak kitchen cabinet, dishes, chairs, bureau, clothe trees, dishes and numerous items of value.

Sale by
HOWARD H. MARTIN AND EMMA N. MARTIN
E.M. Murry Assoc. & Auctioneers
Food by Lime Rock Mennonite School

E.M. Murry Associates
287 Lime Rock Road
Lititz, PA 17543
Elmer Murry 626-5244 - 626-2636
Richard Murry 626-8175 - 949-2280
Ken Miller 665-2073
Professional Auctioneers
Appraisers and Advisors
Since 1953

AUCTION SERVICE

PUBLIC AUCTION

9TH ANNUAL EQUIP. AUCTION
SAT., FEB. 26TH
10:00 A.M.

Call Your Consignments In Now So We May Advertise Them. Well Established Auction - Last Year We Sold 96% Of Our Consignments.

This Is Your Auction To Get The Job Done For You By Experienced Auctioneers.

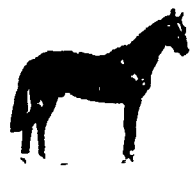
CALL 301-658-6400
8:30 A.M. til 6:30 P.M.

Accepting:
Farm Equipment
Tools
Post-Wire
Vehicles
Tractors
Etc.
Phone 301-658-6400

Auctioneers: Hunter's Sale Barn, Inc.
Rt. 276, Rising Run, MD.

Hauling Available
Restaurant on Grounds
"Cecil County's Leading Auction Service"

★ ★ HORSE SALE ★ ★



SATURDAY, FEBRUARY 5TH
10:30 A.M.

PENNS VALLEY LIVESTOCK AUCTION
CENTRE HALL, Pa.
(At the intersection of Rt. 45 and 144)

• RIDING HORSE • MULES
• DRIVING HORSES • PONIES

— Horses Can Be Hitched For Driving At 8:30 A.M. (Weather Permitting)

— Horses Can Be Checked Friday & Saturday Till Sale Time

Restaurant
Ron Gilligan, Auctioneer
For More Information Call: 814-364-9096
814-355-1922

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

9th ANNUAL PUBLIC SALE

OF THE STRASBURG FIRE CO. NO. 1
Will Be Held

SATURDAY, FEBRUARY 26, 1983

Donations & Consignments will be greatly appreciated. For Information or pickup Call 687-7780 - 687-6857 or 687-6843.

Deadline for advertising items, Jan. 29.

Sale Managed by Elvin Siegrist, Auctioneer

Elvin Siegrist
Auctioneer

R.D. #1, Ronks, Pa. 17572 Phone (717) 687-6857

SAT MARCH 19 - 10 A.M. Public Sale of Full Line of Modern Farm Machinery, Household Goods and Antiques. Located in Cumberland Co., PA, 1 mi. north of Cumberland Valley High School on Rich Valley Rd., 4 mi. north of Carlisle on PA Rt. 11. Harvey P Sunday, Owner Kling's Auction Service.

SAT. MARCH 19 - Public Sale of Power Farm Machinery, Tractors, Tools and Etc. Located 1 mi. east of Nottingham, Chester Co., PA, just off 2721 on Airport Rd., 22 mi. south of Lancaster Carl N. and Esther T. Hansen, Owners. H. Whiteside and Assoc., Auctioneers.

SAT. MARCH 19 - Annual Farm Equipment. Located near Mendon, NY. Saxby Imp. Corp., Owner. Ralph W. Horst and Blaine Rentzel, Auctioneers.

SAT. MARCH 19 - 9 A.M. Public Sale of Tractors, Farm Machinery, Lawn and Garden Equipment, Trucks, Recreational Vehicles and Tools. Located at Towne Tractor Co., Rt. 33, Box 87, Freehold, NJ. Jack Wootton, Auctioneer

SAT MARCH 19 - 1 P.M. Public Sale of Bred Gilts, Open Gilts and Boars. Located at the Lebanon Fairgrounds PA Yorkshire Club.

MON. MARCH 21 - Annual Public Auction of Farm Equipment by M M Weaver and Sons, Inc located 4 miles west of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church John E. and Paul E. Martin, Auctioneers

WED. MAR. 23 - 3 P.M. Special Easter Lamb and Goat Sale. Located at the Belleville Livestock Market, Belleville, PA. Mark Glick, Auctioneer

THURS. MARCH 24 - Public Sale of Farm Machinery. Located 6 mi. northeast of New Holland, Rt. 23 east to Rt 625 north approx. 2 mi. turn right onto Union Grove Rd., 1 mi. to farm on left. Marvin and Grace Reed, Owners. Kline and Kreider, Auctioneers

THURS. MAR. 24 - 9 A.M. Spring Machinery and Equipment Sale. Located on the Mel Stoltzfus Farm in Centre Co., Rebersburg, PA. Mel Stoltzfus, Owner Glick, Gibboney and Martin, Auctioneers.

THURS. MARCH 24 and FRI MARCH 25 - Public Sale of Farm Equipment. Located at Horst's Machinery Lot, just east of Marion, PA. Ralph W Horst, Manager

FRI. MARCH 25 - 1 30 P.M. Dairy Cattle Sale Penns Valley Livestock Auction, Centre Hall Ron Gilligan, Auctioneer, 814-364-9096

FRI. MARCH 25 - 12 Noon PA's 10th Performance Tested Bull Sale. Located at 651 Fox Hollow Rd., State College, PA 16801.

SAT. MARCH 26 - Public Sale of Farm Equipment, Business Equipment, Household Goods and Antiques Located in York County, 4 mi. south of Cross Keys along Rt 94. Emma Wetzel Estate. Dennis J. Plukert, Auctioneer

SAT MARCH 26 - Public Sale of Farm Machinery. Located at R.D. 4, Newville, Cumberland Co PA. Sam and Katherine Alexander, Owners. Kling's Auction Service.

SAT. MARCH 26 - Public Sale of Farm Equipment, Butchering Equipment, Household Goods and Antiques. Located north of Hanover, PA (Carlisle St. Extended) Rt 94 across from Elby's Restaurant, or from York, PA go west on Route 30 to Cross Keys and turn south on 94, go 4 miles to sale site Emma Wetzel Estate. Dennis J. Plukert, Auctioneer.

SAT. MARCH 26 - Public Sale of Tractors, Haybine, Power Farm Machinery, Tools and Etc. Located ½ mi. east of Oxford, PA on Rt. 472. J. Dean Cheek, Jr., Owner H. Whiteside and Assoc., Auctioneers.

SAT MAR. 26 - Construction Equip. Consignment Sale located in Wall Township, NJ. Vilsmeier Auction Co. Inc. 215-699-5833

SAT. MAR. 26 - 9 30 A.M. Gap Fire Co. Sale, Gap, PA. Selling All Kinds of New and Used Merchandise, Tools, Furniture, Quilts, Antiques, etc. Ira Stoltzfus & Son, Auctioneers

SAT MARCH 26 - Consignment Sale of Farm Equipment. Located at Rockingham Co Fairgrounds, Harrisonburg, VA Call 703-434-0005 or 703-833-6131 for further information

SAT. MAR. 26 - 10 A M Consignment Sale of Work and Driving Horses by Keister's Middleburg Auction Sales, Inc Rt. 555 3 miles East of Middleburg, 5 miles west of Selinsgrove, Pa. Don and Walt Keister, Owners, Ray Long and Dave Imes, Auctioneers

APRIL

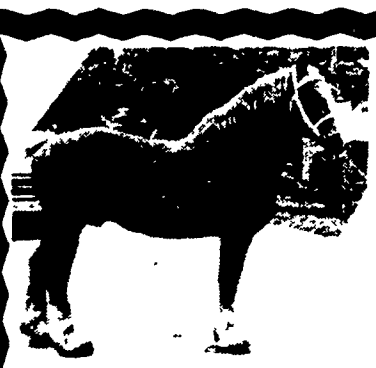
SAT. APR. 2 - 9 30 A.M Public Sale of New and Used Farm, Industrial, Misc. Machinery, Marshall Machinery, Inc., Rt. 652, 5 mi. east of Honesdale, PA

SAT. APR. 2 - Public Sale of Farm Machinery, Household Goods and Antiques. Located 2 mi. south of Gap Samuel A. and Hilda Stoltzfoos, Owners. Steve Petersheim, Auctioneer.

THURS. APRIL 7 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

FRI. APRIL 8 - Public Sale of Farm Equipment at New Holland Sales Stables, Inc New Holland, Penna.

FRI. APRIL 8 - 9 00 A M Public Sale of Farm Equipment at New Holland Sales Stables, Inc., 12 miles east of Lancaster, Pa at New Holland, Pa For more information contact Norman Kolb or Abe Diffenbach 717-354-4341



HORSE AND MULE SALE AND GAUL AND ESEL FENUE

Feb 5 Feb 5 Feb. 5 Feb 5

Stonehurst Stables

DON AND HAROLD Welk

Lime Valley Rd. Strasburg, PA

HORSES HITCHED 10:00 A.M.

WE WILL HAVE DRIVING HORSES ON THE SALE

BIG HORSES AND RIGHT SIZE MULES

COWS AND HEIFERS WILL BE SOLD

OUR SALES BARN ISN'T HEATED BUT — WE'll TRY TO KEEP YOU WARM

CALL US FOR DETAILS ON SALE...

CASH OR ONE WAY CHECK - ANY CREDIT REQUESTS SEE DON

NOT RESPONSIBLE FOR ACCIDENTS

DOOR PRIZES AND FUN ALL DAY

KAUFER CRICK TAXI SERVICE BEZALTED

OUR SPECIAL THIS MONTH IS A FREE LOAD OF HAY

ASK FOR DETAILS

WE WILL HAVE SOMETHING TO EAT OR DRINK ALL DAY FOR BUYERS

AUCTIONEER IS KNOWN FROM EAST TO WEST COAST

WE ENJOY ALL THE HELP AND NICE COMMENTS ABOUT US HAVING ANOTHER SALE — SALE PER YOUR REQUEST

SATURDAY, FEBRUARY 5, 1983

11:00 A.M. Tack Sale
12:00 Noon Horse And Mule Sale

FEB 5 FEB 5 FEB 5 FEB 5

IF YOU NEED HORSES OR MULES COME TO OUR SALE
"SPECIAL SALE FEATURE"
SEVERAL PAIR OF HORSES
3 PAIR OF SORREL MULES
1 BEAUTIFUL REG MARE
SEVERAL BRED MARES

FEB 5 FEB 5 FEB 5 FEB 5

Sale By

Stonehurst Farm Dairy Sales, Inc.

Strasburg, Pa.

Don 717-687-7475 Harold 717-464-2273

Public Sales Register

Closing Date - Monday, 5 00 P M
of each week's publication

FRI APR 8 7 P.M Public Sale of Farm Toys. Located at Willow Valley Farms Inn, 3 mi. south of Lancaster City on Rt 222

SAT APR 9 - 9:30 A.M. C.H. Wolgemuth & Sons Annual All Day Farm Equipment Sale. Located 4 mi. west of Manheim, along Valley Rd., just off Hosler Rd., Lancaster Co., PA. Tractors, Farm Equipment, Hardware - Anything sold on commission.

SAT APR. 9 - 9:30 A.M. Sale of Real Estate of 60 acre farm, Farm Machinery, Guns, Antiques and Household Goods located in Perry Co 2 mi west of Duncannon on Rt 274, turn east on Linton Hill Rd., first farm Porter and Betty Hostetter, owners. Kling's Auction Service.

APRIL 15 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc, 12 Miles East of Lancaster, Pa. just off Rt 23, New Holland, Pa For more information contact Abe Diffenbach, Mgr 717 354-4341 or Norman Kolb 717-397-5538

FRI APRIL 15 - 6 30 P M Consignment Cale of Feeder Cattle and Feeder Pigs by Keister's Middleburg Auction Sales, Inc Rt. 555 3 miles East of Middleburg, 5 miles west of Selinsgrove, Pa. Don and Walt Keister, Owners; Ray Long and Dave Imes, Auctioneers

THURS APR. 21 - Monthly Cow Sale at Mel Kolb, Inc, Maryland Farm, Woodsboro, MD

THURS. APR 21 and FRI. APR 22 - Two Day Sale of Farm Equipment Located at Horst's Machinery Lot, Just east of Marion, PA Ralph W Horst, Manager.

FRI. APR 22 - 6 P.M Public Sale of Bred Gilts, Open Gilts and Boars Located at the Lebanon Fairgrounds Arnold's Hog Sale Harry Bachman, Auctioneer

SAT. APR 23 - 17th Colonial Charolais Spring Sale Located at the fairgrounds, Frederick, MD Sponsored by the Colonial Charolais Assoc. Managed by Buzz Garey, Cattle Sales, Inc, 100 Walnut Lane, Morrisville, PA 19067

SAT APRIL 23 - Public Auction of Fruit, Flowering and Shade trees, shrubs and foliage plants by Spring Grove Nursery located along Union Grove Road just east of Terre Hill off Route 625 John E and Paul E Martin, Auctioneer

SAT APR 23 - Manheim Farm Show Building Sale Donations and Consignments accepted Adele Ave, Manheim, PA 17545

SAT. APR. 23 - Public Sale of Lawn and Garden Equipment and Lawn and Garden Tractors. Located in Martindale, PA, Rt. 322 east of Ephrata turn left at Hinkletown light to Martindale onto Gristmill Rd. to sale site on right. Lawn Care of PA, Daniel Z. Martin and Son, Owners. Randal Kline and Lloyd Kreider, Auctioneers.

FRI. APRIL 29 - 6 P.M. Special Heifer Sale. Located at the Belleville Livestock Market.

FRI. APR. 29 - Public Sale of Feeder Cattle. Located near New Germanstown, Perry Co. Barry Hollenbaugh, Owner. Long Bros., Auctioneers.

PUBLIC SALE

OF FINE COLLECTION OF INDIAN ARTIFACTS FROM THE WALTER H. HERSHEY ESTATE

SAT. FEBRUARY 5

at 10:00

Sale to be held in Millersville Fire Hall, 25 E. Charlotte St., Millersville, PA.

Approximately 3,500 to 4,000 arrowheads, spears, darts in Jasper, Quartz, flint, etc.

Tomahawks, axes, drills, game stones, milling stones, banner stones, war club, pipes, pottery bowl, buffalo horn spoon, Indian beads, knives, scrapers. Also, fossils, petrified wood, other rocks & minerals.

Two mahg. cabinets-one with 8 drawers, one with 9 drawers (formerly victrola and record cabinets), deep walnut, oak, oak leaf, mahg. & inlaid, gilted & other frames.

Sale by
WALTER H. HERSHEY ESTATE
HOWARD SHAUB, 464-3541
and Roy C. Probst,
Auctioneers

WE BUY AND SELL HERDS FOR OUR

REGULAR MONTHLY SALES
HELD IN OUR
STATE APPROVED
HEATED BARNS
AT
SMOKETOWN QUALITY
DAIRY SALES

Located East of Rt. 30 along Rt. 340 near RT. 896, Smoketown, Pa.

IF YOU HAVE A GOOD HERD OF DAIRY COWS TO BE SOLD WE WILL SELL THEM FOR YOU.

WE HAVE THE MARKET FOR YEARLINGS, OPEN HEIFERS AND BRED HEIFERS.

PRIVATE SALES DAILY
WE ARE SELLING DAIRY COWS,
SPRINGING HEIFERS AND
FRESH HEIFERS DAILY EVERY WEEK

"We aim to please and satisfy customers is our first concern". Years of experience.

PHONE 717-393-0930
Gordon W. Fritz, Licensed and Bonded

PUBLIC SALE

FARM MACHINERY, HOLSTEIN DAIRY HERD MILKING EQUIPMENT — WORK HORSES ANTIQUES, 85 ACRE DAIRY FARM

THURSDAY, FEB. 17, 1983

9:00 A.M.

Located in Roaring Creek Township, Columbia Co., PA - 10 miles south of Bloomsburg, 5 miles north of Numidia. From Rt. 42 go east at Ideal Park sign, go to 2nd road left, follow to sale.

85 ACRE DAIRY FARM
REAL ESTATE AT 12:00 NOON

Real Estate consisting of a large 44x80 barn with new 43 stall dairy barn attached, new milk house, manure pit, 14x55 silo, 2 car garage, corn barn and cribs. 2½ story frame house, 3 rooms and bath downstairs, 4 rooms and bath downstairs, walk in basement, oil base board heat.

Terms: 10% down, final settlement 60 days or negotiable.

Owner:
AMOS E. LAPP

Auctioneer: Steve Petersheim, 717-786-4624

PUBLIC AUCTION

FINE ANTIQUES - HOUSEHOLD GLASSWARE - STERLING SILVER LARGE AMOUNT BANK STOCK ORIENTAL RUGS

To be held at REDDING AUCTUIN SERVICE located taking Route 34, ½ mile North of Gettysburg, bear right at Y (at car wash) & continue 2 miles on Table Rock Road to auction site on

SATURDAY, FEB. 5, 9:00 A.M.

This sale consists of fine lifelong collection from the PHILIP BIKLE ESTATE - 149 West Lincoln Avenue, Gettysburg, Pa.

1200 SHARES GETTYSBURG NATIONAL BANK STOCK - (To be offered by the share - in 50 share lots - with a buyers option one or all)

Chippendale 3 over 2 over 4 walnut high chest of drawers; very old softwood grandfathers clock 7'6" tall, 2 weights, decorated wood face; walnut 2 piece arch door scroll top corner cupboard w/bracket feet; carved walnut high back bed w/matching walnut marble top dresser w/high back mirror; 2 piece white marble walnut bedroom suite; carved high back bed, marble top washstand; oak 3 piece bedroom suite, high back bed, unusual oak washstand, oak dresser w/bevel mirror; large old mahogany sideboard; old softwood dovetailed 2 piece dutch cupboard w/ 2-6 pane glass door top & 2 drawers in base; carved walnut brown marble top stand; unusual oak corner display cabinet w/bevel glass doors & mirrors; Sheraton mahogany inlaid folding wall or card table; Victorian carved upholstered arm rocker; Victorian carved upholstered chair; mahogany inlaid spinnett desk w/drawers; unusual rush seat mahogany ball & claw side chair; mah. glass front 2 door ball & claw bookcase; VN Weber square grand piano; small 6 leg mah. gate leg table w/drawer; 2 piece mah. inlaid bedroom suite (dbl. bed, dresser w/mirror); mahogany inlaid 10 pc. diningroom suit (ext. table w/1 board, large buffet, 8 chrs.); carved mah. tilt top pie crust stand; 4 pc. upholstered walnut parlor suite; walnut drop leaf table; set 4 matching cane seat softwood chairs; softwood drop leaf table; Martha Washington sewing cabinet; mah. library table; oak 5 drawer chest of drawers w/bevel mirror; 3 piece mah. bedroom suite (dbl. bed, dresser w/mirror, vanity w/mirror & chairs; mah. Empire 4 drawer chest of drawers; wicker arm chairs; inlaid softwood tilt top stand; fainting couch; mah. inlaid 2 drawer stand; mah. rush seat claw foot arm ch.; mah. DP round stand; round cherry stands; mah. stands; softwood stands w/drawers; mah. needle point ottoman; upholstered bedroom chair; walnut conference desk; 3 cushion upholstered sofa; misc. upholstered chrs; oak stands; stack tables; Smith & Bros. 2 weight mah. OG keywind shelf clock; Ingram & Co. keywind shelf clock; gold framed sectional wall mirror; mah. OG wall mirror; carved walnut wall mirror; lot walnut deep frames; wall mirrors; pictures & picture frames; table, dresser & floor lamps; very nice lot oriental rugs include 33"x45", 36"x54", 32"x55", 30"x50", 49"x78", 39"x123", 24½"x33", nice hand hooked rugs; large amount sterling & silver plate pcs. include baskets, candle holders, tea service, service f/24-78 pieces set J.E. Caldwell Co. sterling flatware; sterling fork, spoon & knife set; other sterling pieces; lot brass pieces; VN Lionel Standard Guage passenger train - Engine No. 10E Limited w/3 cars & track; glassware includes pressed & patterned, fostoria, etched stemware, Haviland, cut glass, Bavarian, Austrian, German, depression, Nippon, Hummell pieces, alabaster pieces, France & Bavarian cup & saucer sets; other china pieces; lot old oriental china pieces; large amount books; cast pieces; brass andiron & fireplace cleaning set; bedding includes very nice tablecloths, napkins, spreads, comforters, etc.; Hoover upright vacuum; RCA b & w port. television; G.E. apartment size refrigerator-freezer; Magic Chef 30" gas range; 3 piece chrome dinette; 2 door metal utility cabinet. Many other items too numerous to mention.

AUCTIONEERS NOTE: This estate consists of a 2 generation collection - a fine sale - Plan to attend - Sale Inspection: February 4, 3:00 - 8:00 P.M.

Terms - Cash.

C. David Redding - Auctioneer
Phone; 717-334-6941

WANTED: TRACTORS, FARM MACHINERY, LAWN AND GARDEN EQUIPMENT, TRUCKS, RECREATIONAL VEHICLES, TOOLS, FOR

CONSIGNMENT AUCTION SALE!

Turn unused and surplus items into cash! Next Sale: Saturday, March 19th, 9:00 A.M. Consign early for best results. Trucking arranged. Competitive commission rates.

TOWNE TRACTOR COMPANY
Route 33, Box 87, Freehold, N.J.
201-431-3838
JACK WOOTTON, Auctioneer

PUBLIC SALE

REGISTERED HOLSTEINS FARM MACHINERY EAR CORN — HAY HOUSEHOLD GOODS — ANTIQUES

SAT., FEBRUARY 12, 1983

9:30 A.M.

Located in Lancaster County, PA - 1½ miles east of Gap. From Rt. 30 & 41 go south on Rt. 41 to Minit Market, turn east on Strasburg Pike, follow signs or from Rt. 30 east turn south onto Simmontown Rd. at Tony's Pizza.

2:00 P.M.

33 HEAD REGISTERED HOLSTEINS

17 milk cows, 6 due in Jan. & Feb., 4 due March, balance in all stages of lactation. 16 head heifers, 6 due Jan., Feb., March. 10 breeding age to calves. Animals all sired and bred to registered bulls. Sires represented: Very - Ivanhoe Star - Gay - Snowman - etc. Pregnancy checked, Health charts.

Auctioneer's Note: Breeders & Producers, this is an opportunity to buy registered animals with classification potential.

FARM MACHINERY

4 TRACTORS: Allis Chalmers 185 diesel, standard transmission, 2 speed, 3 pt., wide front, good condition; Allis Chalmers D17 gas with loader, P.T.O., hydraulic, snap coupler; 2 Farmall H, hydraulic, P.T.O., 1 in good running condition, 1 needs work; set of cultivators fits H.

TILLAGE & FORAGE EQUIPMENT

8 ft. Miller disc; 3 John Deere discs, 1 off-set; 2 24 discs, need some work; 9 ft. single cultipacker; John Deere 3 section spring tooth harrow; John Deere 18 in. 2 bottom trailer plow; Allis Chalmers 2 row corn planter fast hitch; New Idea single pull type corn picker; 1 grain bin wagon; New Idea fertilizer drill; Massey Ferguson forage blower; John Deere 4 bar rake; New Idea cutditioner; New Holland 469 haybine; New Idea 7 ft. bar mower, pull type P.T.O.; New Idea manure spreader, P.T.O., good condition; Ruth bale elevator; 16 disc Ontario grain drill; flat bed wagon; flat bed farm trailer; International bottom mounted bar mower fits H, needs bar; Winpower No. 35 generator P.T.O.; potato plow, good condition; battery charger; air compressor; hi pressure washer; log chains; grind stone; big vise.

Approximately 50 ton ear corn; approx. 17 ton alfalfa hay

HOUSEHOLD GOODS — ANTIQUES

Oak chest of drawers; old corner cupboard w/grain, finish very nice; Cedar wardrobe; Oak 5 drawer chest of drawers; Cherry blanket chest; oak rocker; kitchen table; old wood chest; Oak 5 drawer chest; 6 matching plates; large platter; old butter dish with lid; 2 piece living room suite; plank bottom chairs; 6 piece berry set; iron youth bed; 2 glass stands with lids; 4 folding benches; 2 set old cups & saucers; metal cabinet; Multiplex Hammon old type writer; crocks; skillets; tin milk cans; glass cake stand; porch rocker; cut, designed, blowed and depression glass; wooden clothes dryers; baby crib; comforters; hand cultivators; old boxes, old post cards; etc.; 2 OLD QUILTS, 1 in mint condition, 1 has some wear.

Owners:
JAMES & ELIZABETH F. STOLTZFOOS

Auctioneer:
Steve Petersheim
717-786-4624

Lunch by Gap Fire Co. Ladies Auxiliary

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
PH: 717-786-3016

PUBLIC SALE
OF FARM MACHINERY

3 miles south of Willow St. on 272 turn right on Rionstown Road to first Y turn left follow app. 1 mile to sale. App. 6 miles south of Lancaster.

THURSDAY, MARCH 3, 1983
11:30 A.M.

A.C. -D 17 (good rubber); AC -WD 45; AC-B w, 5 ft. woods belly mower.

New Holland 479 haybine (nearly new) New Holland 273 PTO baler; John Deere 640 rake w/rubber teeth & 3rd wheel; Kuhn hay tedder; 3 flat bed wagons; John Deere #8 - 7 foot mower; AC quick Coupler 3 bottom plow; JD 9 ft. spring harrow; AC 4 row no-till cornplanter w/fertilizer and plastic corn boxes; AC - 2 row cultivator w/quick coupler hitch; 2 bin wagons (good 8 ton Zimmerman gears); JD #25 field sprayer (3 pt.); New Holland #679 manure spreader w/hyd. endgate and pan; 1 single tobacco ladders; PTO seeder.

Anyone wishing to consign to this sale call number listed below.

JOHN McMICKHEL
717-464-3669
J. Everett Kreider, Auct.
No small items at this sale. Sale will begin with farm equipment.

SAT. APRIL 30 - 3rd Annual Spring Public Auction of Hardware Items and Lawn and Garden Equipment by Farmersville Equipment Inc., Farmersville, Pa.

SAT. APRIL 30 - 10 A.M Consignment Sale of Work and Driving Horses by Keister's Middleburg Auction Sales, Inc. Rt. 555 3 miles East of Middleburg, 5 miles west of Selinsgrove, Pa. Don and Walt Keister, Owners; Ray Long and Dave Imes, Auctioneers.

MAY

THURS. MAY 5 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

MAY 6 - 7 P.M. Horse Sale at New Holland Sales Stables, Inc., 12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. For more information contact Abe Diffenbach, Mgr. 717-354-4341 or Norman Kolb 717-397-5538

SAT. MAY 14 - 10:00 A.M. Annual Grade Heifer Sale at New Holland Sales Stables, Inc., 12 miles east of Lancaster, Pa. at New Holland, Pa. for more information contact Norman Kolb or Abe Diffenbach at 717-354-4341

THURS. MAY 19 - 11.00 A.M. Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

JUNE

THURS. JUNE 2 - 11:00 A.M. Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

SAT. JUNE 4 - 10.00 A.M. Annual Registered Heifer Sale at New Holland Sales Stables, Inc., 12 miles east of Lancaster, Pa. at New Holland, Pa. For more information contact Norman Kolb or Abe Diffenbach at 717-354-4341

THURS. JUNE 16 - Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

SAT. JUNE 25 - Colonial World Class Sale. Located at Stone-Del. Charolais Farms, Hartville, Ohio. The Colonial Charolais Association. Managed by Buzz Garey, Gary Cattle Sales, Inc., 100 Walnut Lane, Morrisville, PA 19067.

GAP AUCTION
FRIDAY EVE., FEB. 4
5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge.

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION

CONSIGNMENTS ON MONDAYS FROM 8:00 A.M. to 7:00 P.M.

Call us for pick-up service
IRA STOLTZFUS & SON, Auctioneers
442-4936 or 442-8254

CONDUCTORS ALL TYPES PUBLIC SALES

JULY

THURS. JULY 7 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road Lancaster, Pa.

THURS. JULY 21 - Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

AUGUST

THURS. AUG. 4 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS AUG 18 - Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

SEPTEMBER

THURS. SEPT. 1 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

THURS. SEPT. 15 - Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

OCTOBER

THURS. OCT. 6 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS. OCT. 20 - Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

SALE EVERY TUESDAY
Graded Sale
1st Tuesday each month
2 P.M.
Horse Auction
2nd Saturday each month
1 P.M.

FAUQUIER LIVESTOCK EXCHANGE
Marshall, Va.
703-364-1566

NOVEMBER

FRI. NOV. 4 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

THURS. NOV. 17 - Monthly Cow Sale at Mel Kolb, Inc., Maryland Farm, Woodsboro, MD

C.H. WOLGEMUTH
RD #2, MANHEIM, PA
AUCTIONEER
Member of
NATIONAL FARM & AUCTIONEERS ASSOCIATION
COMPLETE AUCTION SERVICE
CALL
717-665-5664

DECEMBER

FRI. DEC. 2 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa

AUCTIONEERS
FRANK & PAUL SNYDER
Livestock, Farm Equipment, Household Goods, Antiques
No sale too small or too large
717-859-2688
717-733-7052

FRALEY Auction Co.
RD 1, Muncy, PA
Livestock, Farm & Heavy Equipment, Real Estate, Estates, Etc.
Complete Auction Service with tents & dairy platform.
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Professional Auction Service

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COMPLETE PROFESSIONAL AUCTION SERVICE
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PERSONAL PROPERTY — ANTIQUES —
FARM STOCK SALES — LIQUIDATIONS

RANDAL V. KLINE
AUCTIONEER REALTOR
717 733 1006
717 569 8701

LLOYD H. KREIDER
AUCTIONEER
717 786 3394

MELVIN KOLB, INC.

IS HAVING A

BIG SALE OF
150 - HIGHEST QUALITY HOLSTEINS - 150
THURSDAY, FEBRUARY 3, 1983
11:00 A.M.

Location: West of Lancaster on Dairy Road. Take Rt. 283 west of Lancaster, exit beyond the ABC Stud Barns at Flory Mill Road, turn left after exiting, go to Mill, then sharp right under railroad bridge. Barn is within sight of Rt. 283.

FARMERS: If you need good cows, please don't miss this sale. You will see one of the finest selections ever! We tried to pick the most outstanding cows from the best herds in several states. There will be real top Purebreds & big fancy Grades from Wisconsin, Minnesota, Maine, New Hampshire, Vermont, New York, Maryland & Pa.

There will be 50 PUREBREDS of the finest quality, several classified with DHIA Records, all picked from top herds. Some of these cows are milking up to 100 lbs. per day. There will be 25 big PUREBRED FIRST CALF HEIFERS, fresh, milking up to 75 lbs. per day. Information available in catalog day of sale.

Also, there will be 50 big fancy GRADE cows, just fresh or close to freshening. There will be 25 fancy GRADE FIRST CALF HEIFERS, just fresh or close to freshening.

SPECIAL MENTION

1 TRAILER LOAD OF NEW YORK STATE COWS ALL HAND-PICKED, JUST FRESH, MILKING FROM 80 to 106 LBS. PER DAY — one of the best loads we have ever had for a sale.

FREE LUNCH FOR ALL DAIRY FARMERS!

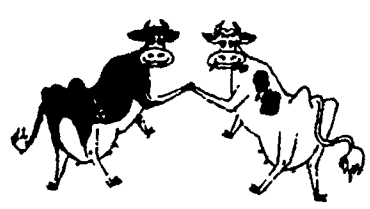
FREE TRANSPORTATION FOR LANC. COUNTY AMISH - Please call: 569-2106 or 569-6800.

DOOR PRIZE: PUREBRED HEIFER CALF—

Must be a buyer to be eligible and must be present to win.

MELVIN KOLB, Sale Manager
ROBERT C. MULLENDORE, Auctioneer
HENRY KETTERING, Pedigrees
MARVIN ESHLEMAN, Clerk

PA. FARM: Dennis Kolb, Manager
(717) 569-2106 or 569-6800
MD FARM: Thomas Miller, Manager
(301) 898-7720



MEL KOLB INC.

COWS - HORSES - MULES

- ★ Tall Strong Sorrel Mules
- ★ Big Rugged Draft Horses
- ★ Several Top Teams Sorrel With White Tails, Manes & Faces
- ★ Lots of Muscle Packed Teams and Several Odd Mules

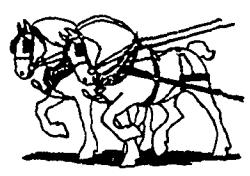
- ★ Open Heifers
- ★ Bred Heifers
- ★ Springing Cows
- ★ Fresh Cows
- ★ Fresh Heifers
- ★ Grade & Purebred Heifer Calves

MELVIN KOLB, INC.
2220 Dairy Road
Lancaster, PA 17601

PHONE:

Barn
717-569-6800
717-569-2106

Residence
717-393-7459



OPEN EVENINGS!

PURINA® HIGH OCTANE 36® CONCENTRATE

ALTERNATIVES:

Soybean Meal and Corn with a vitamin/mineral premix

Many dairymen have switched from this ration. They've seen that it can't deliver all that their cows require for maximum milk production. Here's why:

Low Energy Limits Production

Look at the low energy level. Like the weakest link in a chain, a cow will perform up to the most limiting nutrient. With this ration, it's energy. The higher levels of proteins, vitamins and minerals can go to waste.

OR....

Soybean meal and corn

Some dairymen have gone to this ration. Many think they're saving money. Others want a high-energy ration. But watchout! Don't fall into this nutrient balance trap.

Low Levels of Vitamins and Minerals Limit Production

While a soybean meal and corn ration may provide additional energy, the limiting factor to production is inadequate vitamin and mineral levels.

Of course, a cow might produce more in the first few months of her first lactation on this type of ration. Trouble is, she's using up her vital body stores to provide needed vitamins and minerals. As those stores are used up, milk production will drop below normally expected levels. Health problems might develop. And, most important, she'll likely produce less during her next lactation.

OR....

Competitive Concentrate

COMPARE *YOUR* BOTTOM LINE....!

Purina High Octane® Cow Chow 36

Top milk production, lactation after lactation, depends on a balanced high-energy ration. Purina High Octane 36 delivers that high-energy without sacrificing the essential balance of vitamins and minerals.

Balanced, high-nutrient levels for maximum milk production

Purina research has found a way to provide high energy levels without sacrificing other essential nutrients.

It comes from an in-depth knowledge of what your cows need. And tough quality control standards that demand top-quality ingredients.

As an added bonus, your cows develop and keep good body condition. You should see fewer health problems. And, strong cows keep milking at top potential year after year.

- ✓ **Best Value...**
- ✓ **What is your bottom line cost? The total mix.**
- ✓ **What is your TDN (energy) level?**
- ✓ **Is your mix consistent? Balanced?**

Ask Your Local Purina Dealer to help you Compare programs and "Best Value."

Prove to yourself what High Octane 36 concentrate can do for your herd. High Octane 36 was formulated to deliver energy ingredients properly balanced with proteins, minerals and vitamins to give your cows a palatable, high performance ration that will put more milk in your milk tank.

HESS MILLS
PHONE 717 442 4183
717 768 3301
PARADISE PA 17562

HIGH BROS.
PHONE 717 354 0301
GORDONVILLE PA 17529

K & K FEED, INC.
PHONE 717-866-2324
23 N PARK ST RICHLAND PA 17087

UMBERGER'S MILL
PHONE 717 867 5161
FONTANA PA 17042

KEYSTONE MILLS
John B Kurtz
PHONE 717 354 4616 717 738 1088
RD3, EPHRATA PA 17522

W. L. MUMMERT CO.
PHONE: 717-637-6923
6 PINE ST.
HANOVER PA 17331

THE PURINA PROGRAM
Good Breeding | Sound Management
Careful Sanitation | Good Feeding
FOR GOOD PRODUCTION

WEST WILLOW FARMERS ASSN., INC.
PHONE 717-464-3386
WEST WILLOW PA 17583

SOUTHERN DIVISION
West Willow Farmers Assoc., Inc
PHONE 717 529 2113
RTE 472 AT UNION, PA
RD 1, OXFORD PA 19363

J. P. ANIMAL SUPPLY
PHONE: 301-658-5795
2497 TOME HWY
RISING SUN, MD 21911

Anthony's Feed Mill
PHONE 215-488-6211
STRAUSSTOWN, PA 19559